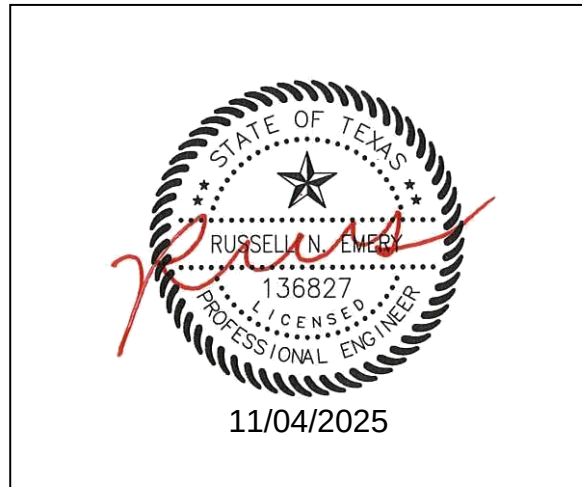




STRUCTURAL DOCUMENTATION LETTER
for
SNAPNRACK S200 GROUND MOUNT PV RACKING SYSTEM

STATE OF TEXAS

PREPARED FOR:
SNR SOLAR, LLC



SEALED BY: **RUSSELL EMERY, P.E.**

PREPARED BY: **MICHAEL HELKENN, P.E.**

FIRM LICENSE #: **F11411**

PROJECT #: **U5197.0002.251**

DATE: **November 4, 2025**

LETTER EXPIRES ON 12/31/2027 AND IS SUBJECT TO ANNUAL REVIEW AND RENEWAL

Note:

The calculations presented in this package are intended for use by the client listed above. These calculations shall not be reproduced, reused, "card filed", sold to a third party, or altered in any way without the written authorization of Vector Structural Engineering, LLC and SNR Solar, LLC.

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Project Number: U5197-0002-251

SNR Solar LLC
775 Fiero Lane, Ste. 200
San Luis Obispo, CA 93401

REFERENCE: S200 Ground Mount PV Racking System

Per the request of SNR Solar LLC, we have performed a review of the S200 PV Ground Mount racking system to provide guidance for typical installations. The S200 system is a braced frame racking system that can be used with a variety of foundation options. The tables included in this document provide guidance regarding allowable installation configurations and foundation requirements. The allowable spans and other design requirements listed in this document are based on geometric assumptions, member sizes, connection components, materials and limitations detailed in Appendix A of this document.

Design Criteria and Assumptions:

The following parameters, assumptions, limitations and code standards were used in the creation of this letter:

- **Building Codes:**
 - ASCE 7-22, Minimum Design Loads for Buildings and Other Structures
 - International Building Code, 2024 Edition
 - International Residential Code, 2024 Edition
 - Aluminum Design Manual, 2020 Editions
 - ACI 318-19, Building Code Requirements for Structural Concrete
- **Environmental Assumptions and Limitations:**
 - Wind Speed: 90 – 170 mph
 - Ground Snow Load: 0 – 140 psf
 - Exposure Category: C
 - Topographic Factor, K_{zt} : 1.0
 - Ground Elevation Factor, K_e : 1.0
 - Wind Directionality Factor, K_d : 0.85
 - Gust Effect Factor, G = 0.85
 - Snow Exposure Condition: Fully Exposed
 - Thermal Factor, C_t : 1.2

Design wind calculations are in accordance with ASCE 7 procedure for open structures with monoslope, free roofs (ASCE 7-22 Section 27.3.2).

Snow load calculations are in accordance with ASCE 7-22 Chapter 7. For the purpose of these calculations, PV modules are assumed to be slippery and unobstructed.

Design load combinations are in accordance with ASCE 7-22 Section 2.4, Allowable Stress Design (ASD).

Design of connection components is based on manufacturer technical data made publicly available by Hollaender for their Speed-Rail™ fittings for solar pipe racks.



Concrete Foundation Requirements:

Foundation designs for concrete piers and ballast blocks (grade beams) are based on presumptive soil conditions. Vector Structural Engineering, LLC strongly recommends that independent soils testing be performed on a project-specific basis by a licensed geotechnical engineer to verify the parameters used in these designs. Soil is presumed to be Class 5 per Table 1806.2 of the 2024 IBC, with the following parameters used in the design of foundations:

- Allowable Vertical Bearing Capacity: 1500 psf
- Allowable Lateral Bearing Capacity: 100 pcf
- Allowable Skin Friction for Concrete Piers: 250 psf
- Coefficient of Friction: 0.25

All concrete mixing, placement, forming, and reinforcing installation shall be performed in accordance with the requirements of Building Code Requirements for Reinforced Concrete, ACI 318-19. Drilled Pier foundation installation shall be in accordance with the requirements of Standard Specifications for the Construction of Drilled Piers, ACI 336, latest edition

Foundation concrete shall have a minimum compressive strength of 2500 psi at 28 days. Cement for all concrete shall be Type I or II with a water/cement ratio of 0.50. In regions that experience freeze/thaw cycles, a minimum of 6% entrained air is required. Maximum aggregate size shall be 3/4". No special inspection of concrete strength is required. Reinforcing steel shall be per ASTM A615 Gr. 60. Minimum clear cover for reinforcing steel is 3".

The depth of concrete foundation elements may need to be increased in regions with high frost depths. Consult the Authority Having Jurisdiction (AHJ) and project-specific Engineer of Record (EOR) for project-specific foundation requirements in such areas.

Concrete ballast blocks shall be reinforced with #4 longitudinal rebar spaced at 6" O.C., top and bottom, with #4 closed ties spaced at 24" O.C.

Concrete construction requires special inspection. Consult the AHJ and project-specific EOR for inspection requirements.

Ground Screw Foundation Requirements:

Ground screws shall be either American Ground Screw (AGS) Model 3 or Krinner M-Series as noted in the attached foundation tables. Ground screws shall be 3" in diameter by 63" long. In areas with high frost depths, longer ground screws may be required at the discretion of the AHJ and project-specific EOR. Ground screws shall be installed and inspected in accordance with all manufacturer's instructions as well as the ICC-ES ESR report noted below:

- American Ground Screw – ESR-4226
- Krinner – ESR-5168

ESR reports are freely available online and from the ground screw manufacturer. Use of ground screws is only authorized in soils consisting of Silty Sand or Sandy Clay, as noted in the attached foundation tables and the applicable ESR reports. Installation of ground screws in any other soil classification is beyond the scope of this letter and shall be reviewed/approved by the project-specific EOR.



Summary Tables and Instructions for Use:

The summary tables provided in this letter list the design requirements for the S200 system. Tables are broken up by configuration (3, 4 and 5 in Landscape) and ground snow load. Table sub-sections are divided by design wind speed and tilt angle. See below for additional descriptions.

- **Configuration Tables:** These tables list the allowable post span and brace requirements for standard and braced installations. See Appendix A for descriptions of standard vs braced systems, as well as member callouts. Design ground snow load and array configuration is noted on the top right and top left of each page.
 - **Brace A:** An asterisk included in this cell indicates that the brace connection is to be reinforced with a self-tapping screw per the details in Appendix A.
 - **Braces C and D:** The installation requirements for these braces is based on the site-specific seismic parameters. Consult the project-specific EOR and AHJ for project-specific requirements.
 - **Rails Required per Panel:** This column lists the number of rails required per panel column for the panel sizes listed. Installation requiring more than 6 rails per panel column are not authorized. Such conditions are indicated by an “NA” in all table fields. Consult the project-specific EOR for design solutions and recommendations in these situations.
- **Foundation Tables:** These tables follow the same layout as the Configuration Tables and list the foundation requirements for both standard and braced systems.
 - **Concrete Piers:** Concrete piers shall be 18” in diameter with no more than 6” projection above the surrounding finished grade. Pier depth shall be per the tabulated values, or the local frost depth requirements, whichever is greater. See Appendix A for additional information.
 - **Ground Screws:** Table values of “NA” indicate that the designated ground screw and soil combination are not allowed. See the “Ground Screw Foundation Requirements” section of this letter for additional information.
 - **Grade Beams:** Concrete grade beams, aka ballast blocks, shall be the length designated in the table header (9-ft long for 3L installations, 12-ft long for 4L installations, and 15-ft long for 5L installations). The width and depth requirements listed are to be considered the minimum requirement, and may be increased as necessary. Grade beams are assumed to be installed above grade, but may be installed below or partially below grade if desired. Consult the project specific AHJ and EOR for local frost requirements. See the “Concrete Foundation Requirements” section of this letter as well as Appendix A for additional information.

PV Modules:

This document is applicable for PV modules up to 45” in width installed in a landscape configuration. Tables are provided for 3-high, 4-high, and 5-high configurations. Rail counts are provided for PV Modules up to 85” in length and PV Modules up to 95” in length. PV Modules larger than 45” in width and 95” in length are not allowed under the scope of this document.



Limitations:

The following items are not included in the scope of this review:

- **PV Modules:** The structural adequacy of PV modules is not included in this review. PV modules shall be installed in accordance with manufacturer's and EOR's instructions.
- **Installation Methods:** Racking shall be installed in accordance with manufacturer's instructions. Vector Structural Engineering is not responsible for means and methods of installation, and assumes no liability for improper installations.
- **Terrain Slope:** PV arrays are assumed to be installed on flat, non-sloping terrain. Installation of PV arrays on sloping terrain is beyond the scope of this letter and shall be evaluated by the project-specific EOR on a case-by-case basis.
- **Snow Shedding and Drifting:** The snow load calculations assume a sloped, unobstructed slippery surface based on the array tilt angles. Care should be taken to avoid or remove any nearby obstructions that prevent snow shedding, or otherwise may lead to excessive snow accumulation on PV arrays. The effects of snow drifting are beyond the scope of this letter.
- **Roof-Mount Applications:** Roof-mounted installations of the S200 racking system are beyond the scope of this letter and shall be evaluated on a case-by-case basis by the project-specific EOR.

Conclusions:

Vector Structural Engineering, LLC (VSE) has determined that if the S200 Racking product is installed in accordance with manufacturer's installation instructions and the requirements listed in this letter, then the installation will be structurally adequate to support the design loads listed in this letter.

This conclusion is based on calculations performed by our office, manufacturer technical data provided by Hollaender, product-specific ESR reports, and in-house load testing performed by SNR Solar LLC. Supporting documentation, calculations and test reports may be provided upon request.

VSE (or the EOR) shall supply a site-specific approval letter, signed and sealed by a licensed Professional Engineer (PE), for each site-specific installation to confirm the proper interpretation and application of this letter. This letter is not valid for site-specific installations unless accompanied by a site-specific approval letter.

We trust this information will meet your project needs. Please do not hesitate to contact our office if you have any questions or need any additional clarification.

Warmest Regards,
VECTOR STRUCTURAL ENGINEERING, LLC



Table Index:

Click the links below to jump directly to the applicable tables:

- [3-High Configurations, 0 psf Snow Load](#)
- [3-High Configurations, 10 psf Snow Load](#)
- [3-High Configurations, 20 psf Snow Load](#)
- [3-High Configurations, 30 psf Snow Load](#)
- [3-High Configurations, 40 psf Snow Load](#)
- [3-High Configurations, 50 psf Snow Load](#)
- [3-High Configurations, 60 psf Snow Load](#)
- [3-High Configurations, 70 psf Snow Load](#)
- [3-High Configurations, 80 psf Snow Load](#)
- [3-High Configurations, 90 psf Snow Load](#)
- [3-High Configurations, 100 psf Snow Load](#)
- [3-High Configurations, 110 psf Snow Load](#)
- [3-High Configurations, 120 psf Snow Load](#)
- [3-High Configurations, 130 psf Snow Load](#)
- [3-High Configurations, 140 psf Snow Load](#)
- [4-High Configurations, 0 psf Snow Load](#)
- [4-High Configurations, 10 psf Snow Load](#)
- [4-High Configurations, 20 psf Snow Load](#)
- [4-High Configurations, 30 psf Snow Load](#)
- [4-High Configurations, 40 psf Snow Load](#)
- [4-High Configurations, 50 psf Snow Load](#)
- [4-High Configurations, 60 psf Snow Load](#)
- [4-High Configurations, 70 psf Snow Load](#)
- [4-High Configurations, 80 psf Snow Load](#)
- [4-High Configurations, 90 psf Snow Load](#)
- [4-High Configurations, 100 psf Snow Load](#)
- [4-High Configurations, 110 psf Snow Load](#)
- [4-High Configurations, 120 psf Snow Load](#)
- [4-High Configurations, 130 psf Snow Load](#)
- [4-High Configurations, 140 psf Snow Load](#)
- [5-High Configurations, 0 psf Snow Load](#)
- [5-High Configurations, 10 psf Snow Load](#)
- [5-High Configurations, 20 psf Snow Load](#)
- [5-High Configurations, 30 psf Snow Load](#)
- [5-High Configurations, 40 psf Snow Load](#)
- [5-High Configurations, 50 psf Snow Load](#)
- [5-High Configurations, 60 psf Snow Load](#)
- [5-High Configurations, 70 psf Snow Load](#)
- [5-High Configurations, 80 psf Snow Load](#)
- [5-High Configurations, 90 psf Snow Load](#)
- [5-High Configurations, 100 psf Snow Load](#)
- [5-High Configurations, 110 psf Snow Load](#)
- [5-High Configurations, 120 psf Snow Load](#)
- [5-High Configurations, 130 psf Snow Load](#)
- [5-High Configurations, 140 psf Snow Load](#)
- [Appendix A: Racking Details, Limitations, and Installation Instructions](#)

0 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	0 psf Ground Snow Load 3-Module Configurations
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90 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Post Span (PS, in)	Required Braces			Max Post Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	126	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		157	YES	YES	YES	2	2
	7.5° to 15°	107	YES			157	YES			2	2
	15° to 22.5°	98	YES			157	YES			2	2
	22.5° to 30°	92	YES			157	YES*			2	2
	30° to 37.5°	90	YES			157	YES*			2	2
	37.5° to 45°	92	YES			142	YES*			2	2

95 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	121	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		157	YES	YES	YES	2	2
	7.5° to 15°	102	YES			157	YES			2	2
	15° to 22.5°	94	YES			157	YES			2	2
	22.5° to 30°	87	YES			157	YES*			2	2
	30° to 37.5°	86	YES			157	YES*			2	2
	37.5° to 45°	87	YES*			128	YES*			2	2

100 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	116	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		157	YES	YES	YES	2	2
	7.5° to 15°	98	YES			157	YES			2	2
	15° to 22.5°	90	YES			157	YES			2	2
	22.5° to 30°	83	YES			151	YES*			2	2
	30° to 37.5°	82	YES			144	YES*			2	2
	37.5° to 45°	83	YES*			115	YES*			2	2

105 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	111	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		157	YES	YES	YES	2	2
	7.5° to 15°	94	YES			157	YES			2	2
	15° to 22.5°	86	YES			157	YES			2	2
	22.5° to 30°	80	YES			138	YES*			2	2
	30° to 37.5°	78	YES			131	YES*			2	2
	37.5° to 45°	80	YES*			104	YES*			2	2

110 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	107	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		157	YES	YES	YES	2	2
	7.5° to 15°	90	YES			157	YES			2	2
	15° to 22.5°	83	YES			147	YES			2	2
	22.5° to 30°	77	YES			127	YES*			2	2
	30° to 37.5°	75	YES			119	YES*			2	2
	37.5° to 45°	76	YES*			95	YES*			2	2

120 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	100	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		157	YES	YES	YES	2	2
	7.5° to 15°	84	YES			151	YES			2	2
	15° to 22.5°	76	YES			126	YES			2	2
	22.5° to 30°	71	YES			108	YES*			2	2
	30° to 37.5°	69	YES*			100	YES*			2	2
	37.5° to 45°	64	YES*			80	YES*			2	2

0 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	0 psf Ground Snow Load 3-Module Configurations
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130 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	93	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		157	YES	YES	YES	2	2
	7.5° to 15°	78	YES			131	YES			2	2
	15° to 22.5°	71	YES			109	YES			2	2
	22.5° to 30°	66	YES			93	YES*			2	3
	30° to 37.5°	64	YES*			85	YES*			3	3
	37.5° to 45°	55	YES*			68	YES*			2	3

140 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	87	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		157	YES	YES	YES	2	2
	7.5° to 15°	73	YES			114	YES			2	2
	15° to 22.5°	66	YES			95	YES			2	3
	22.5° to 30°	61	YES			81	YES*			3	3
	30° to 37.5°	60	YES*			73	YES*			3	3
	37.5° to 45°	48	YES*			58	YES*			3	3

150 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	82	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		146	YES	YES	YES	2	2
	7.5° to 15°	68	YES			100	YES			2	3
	15° to 22.5°	62	YES			83	YES			3	3
	22.5° to 30°	57	YES*			71	YES*			3	3
	30° to 37.5°	56	YES*			64	YES*			3	3
	37.5° to 45°	41	YES*			51	YES*			3	3

160 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	77	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		129	YES	YES	YES	2	2
	7.5° to 15°	64	YES			89	YES			3	3
	15° to 22.5°	58	YES			74	YES			3	3
	22.5° to 30°	54	YES*			63	YES*			3	4
	30° to 37.5°	49	YES*			56	YES*			3	4
	37.5° to 45°	36	YES*			45	YES*			3	4

170 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	73	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		116	YES	YES	YES	2	2
	7.5° to 15°	61	YES			79	YES			3	3
	15° to 22.5°	55	YES			65	YES			3	4
	22.5° to 30°	51	YES*			56	YES*			4	4
	30° to 37.5°	44	YES*			50	YES*			4	4
	37.5° to 45°	32	YES*			40	YES*			4	4

0 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	0 psf Ground Snow Load 3-Module Configurations
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90 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	36	OK	OK	OK	OK	18 x 18	24	42	OK	OK	OK	OK	21 x 21
	15° to 22.5°	24	45	OK	OK	OK	OK	24 x 21	24	54	NA	OK	OK	OK	30 x 27
	22.5° to 30°	24	54	OK	OK	OK	OK	27 x 24	24	69	NA	OK	OK	OK	33 x 33
	30° to 37.5°	24	57	OK	OK	OK	OK	30 x 27	24	75	NA	NA	OK	OK	39 x 36
	37.5° to 45°	24	63	OK	OK	OK	OK	33 x 30	24	78	NA	NA	OK	OK	39 x 39

95 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	36	OK	OK	OK	OK	18 x 18	24	45	OK	OK	OK	OK	24 x 21
	15° to 22.5°	24	45	OK	OK	OK	OK	24 x 21	24	57	NA	OK	OK	OK	30 x 30
	22.5° to 30°	24	54	OK	OK	OK	OK	27 x 27	24	72	NA	NA	OK	OK	36 x 36
	30° to 37.5°	24	60	OK	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	66	NA	OK	OK	OK	33 x 30	24	78	NA	NA	OK	OK	39 x 39

100 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	36	OK	OK	OK	OK	21 x 18	24	48	OK	OK	OK	OK	24 x 24
	15° to 22.5°	24	48	OK	OK	OK	OK	24 x 24	24	60	NA	NA	OK	OK	30 x 30
	22.5° to 30°	24	54	OK	OK	OK	OK	27 x 27	24	72	NA	NA	OK	OK	36 x 36
	30° to 37.5°	24	60	OK	OK	OK	OK	30 x 30	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	66	NA	OK	OK	OK	33 x 33	24	78	NA	NA	OK	OK	39 x 39

105 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	39	OK	OK	OK	OK	21 x 18	24	48	NA	OK	OK	OK	27 x 24
	15° to 22.5°	24	48	OK	OK	OK	OK	24 x 24	24	63	NA	NA	OK	OK	33 x 30
	22.5° to 30°	24	57	OK	OK	OK	OK	30 x 27	24	75	NA	NA	OK	OK	36 x 36
	30° to 37.5°	24	63	NA	OK	OK	OK	30 x 30	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

0 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	0 psf Ground Snow Load 3-Module Configurations
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110 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 18
	7.5° to 15°	24	39	OK	OK	OK	OK	21 x 21	24	51	NA	OK	OK	OK	27 x 27
	15° to 22.5°	24	48	OK	OK	OK	OK	24 x 24	24	63	NA	NA	OK	OK	33 x 33
	22.5° to 30°	24	60	NA	OK	OK	OK	30 x 27	24	75	NA	NA	OK	OK	36 x 36
	30° to 37.5°	24	63	NA	OK	OK	OK	33 x 30	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

120 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 15	24	33	OK	OK	OK	OK	21 x 18
	7.5° to 15°	24	42	OK	OK	OK	OK	21 x 21	24	54	NA	OK	OK	OK	30 x 27
	15° to 22.5°	24	51	OK	OK	OK	OK	27 x 24	24	66	NA	NA	OK	OK	33 x 33
	22.5° to 30°	24	60	NA	OK	OK	OK	30 x 30	24	75	NA	NA	OK	OK	36 x 36
	30° to 37.5°	24	66	NA	OK	OK	OK	33 x 33	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

130 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 15	24	36	OK	OK	OK	OK	21 x 21
	7.5° to 15°	24	42	OK	OK	OK	OK	24 x 21	24	54	NA	OK	OK	OK	30 x 27
	15° to 22.5°	24	54	NA	OK	OK	OK	27 x 27	24	66	NA	NA	OK	OK	33 x 33
	22.5° to 30°	24	63	NA	OK	OK	OK	33 x 30	24	75	NA	NA	OK	OK	36 x 36
	30° to 37.5°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	72	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

140 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	18 x 18	24	36	OK	OK	OK	OK	24 x 21
	7.5° to 15°	24	45	OK	OK	OK	OK	24 x 24	24	54	NA	NA	OK	OK	30 x 27
	15° to 22.5°	24	54	NA	OK	OK	OK	27 x 27	24	66	NA	NA	OK	OK	33 x 33
	22.5° to 30°	24	66	NA	OK	OK	OK	33 x 30	24	75	NA	NA	OK	OK	39 x 36
	30° to 37.5°	24	72	NA	NA	OK	OK	36 x 36	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	72	NA	OK	OK	OK	36 x 36	24	78	NA	NA	OK	OK	39 x 39

0 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	0 psf Ground Snow Load 3-Module Configurations
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150 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	18 x 18	24	39	OK	OK	OK	OK	24 x 24
	7.5° to 15°	24	45	OK	OK	OK	OK	24 x 24	24	54	NA	NA	OK	OK	30 x 27
	15° to 22.5°	24	57	NA	OK	OK	OK	30 x 27	24	66	NA	NA	OK	OK	33 x 33
	22.5° to 30°	24	69	NA	NA	OK	OK	33 x 33	24	75	NA	NA	OK	OK	39 x 36
	30° to 37.5°	24	75	NA	NA	OK	OK	36 x 36	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

160 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	18 x 18	24	39	NA	OK	OK	OK	24 x 24
	7.5° to 15°	24	48	NA	OK	OK	OK	27 x 24	24	54	NA	NA	OK	OK	30 x 30
	15° to 22.5°	24	60	NA	OK	OK	OK	30 x 30	24	66	NA	NA	OK	OK	33 x 33
	22.5° to 30°	24	72	NA	NA	OK	OK	36 x 33	24	75	NA	NA	OK	OK	39 x 36
	30° to 37.5°	24	75	NA	NA	OK	OK	36 x 36	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

170 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	21 x 18	24	39	NA	OK	OK	OK	24 x 24
	7.5° to 15°	24	48	NA	OK	OK	OK	27 x 24	24	54	NA	NA	OK	OK	30 x 30
	15° to 22.5°	24	60	NA	NA	OK	OK	30 x 30	24	66	NA	NA	OK	OK	33 x 33
	22.5° to 30°	24	72	NA	NA	OK	OK	36 x 36	24	75	NA	NA	OK	OK	39 x 36
	30° to 37.5°	24	75	NA	NA	OK	OK	39 x 36	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

10 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	10 psf Ground Snow Load 3-Module Configurations
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90 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Post Span (PS, in)	Required Braces			Max Post Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	113	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		157	YES	YES	YES	2	2
	7.5° to 15°	106	YES			157	YES			2	2
	15° to 22.5°	98	YES			157	YES			2	2
	22.5° to 30°	92	YES			157	YES*			2	2
	30° to 37.5°	90	YES			157	YES*			2	2
	37.5° to 45°	92	YES			142	YES*			2	2

95 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	110	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		157	YES	YES	YES	2	2
	7.5° to 15°	102	YES			157	YES			2	2
	15° to 22.5°	94	YES			157	YES			2	2
	22.5° to 30°	87	YES			157	YES*			2	2
	30° to 37.5°	86	YES			157	YES*			2	2
	37.5° to 45°	87	YES*			128	YES*			2	2

100 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	107	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		157	YES	YES	YES	2	2
	7.5° to 15°	98	YES			157	YES			2	2
	15° to 22.5°	90	YES			157	YES			2	2
	22.5° to 30°	83	YES			151	YES*			2	2
	30° to 37.5°	82	YES			144	YES*			2	2
	37.5° to 45°	83	YES*			115	YES*			2	2

105 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	105	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		157	YES	YES	YES	2	2
	7.5° to 15°	94	YES			157	YES			2	2
	15° to 22.5°	86	YES			157	YES			2	2
	22.5° to 30°	80	YES			138	YES*			2	2
	30° to 37.5°	78	YES			131	YES*			2	2
	37.5° to 45°	80	YES*			104	YES*			2	2

110 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	102	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		157	YES	YES	YES	2	2
	7.5° to 15°	90	YES			157	YES			2	2
	15° to 22.5°	83	YES			147	YES			2	2
	22.5° to 30°	77	YES			127	YES*			2	2
	30° to 37.5°	75	YES			119	YES*			2	2
	37.5° to 45°	76	YES*			95	YES*			2	2

120 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	97	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		157	YES	YES	YES	2	2
	7.5° to 15°	84	YES			151	YES			2	2
	15° to 22.5°	76	YES			126	YES			2	2
	22.5° to 30°	71	YES			108	YES*			2	2
	30° to 37.5°	69	YES*			100	YES*			2	2
	37.5° to 45°	64	YES*			80	YES*			2	2

10 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	10 psf Ground Snow Load 3-Module Configurations
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130 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	92	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		157	YES	YES	YES	2	2
	7.5° to 15°	78	YES			131	YES			2	2
	15° to 22.5°	71	YES			109	YES			2	2
	22.5° to 30°	66	YES			93	YES*			2	3
	30° to 37.5°	64	YES*			85	YES*			3	3
	37.5° to 45°	55	YES*			68	YES*			2	3

140 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	87	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		157	YES	YES	YES	2	2
	7.5° to 15°	73	YES			114	YES			2	2
	15° to 22.5°	66	YES			95	YES			2	3
	22.5° to 30°	61	YES			81	YES*			3	3
	30° to 37.5°	60	YES*			73	YES*			3	3
	37.5° to 45°	48	YES*			58	YES*			3	3

150 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	82	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		146	YES	YES	YES	2	2
	7.5° to 15°	68	YES			100	YES			2	3
	15° to 22.5°	62	YES			83	YES			3	3
	22.5° to 30°	57	YES*			71	YES*			3	3
	30° to 37.5°	56	YES*			64	YES*			3	3
	37.5° to 45°	41	YES*			51	YES*			3	3

160 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	77	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		129	YES	YES	YES	2	2
	7.5° to 15°	64	YES			89	YES			3	3
	15° to 22.5°	58	YES			74	YES			3	3
	22.5° to 30°	54	YES*			63	YES*			3	4
	30° to 37.5°	49	YES*			56	YES*			3	4
	37.5° to 45°	36	YES*			45	YES*			3	4

170 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	73	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		116	YES	YES	YES	2	2
	7.5° to 15°	61	YES			79	YES			3	3
	15° to 22.5°	55	YES			65	YES			3	4
	22.5° to 30°	51	YES*			56	YES*			4	4
	30° to 37.5°	44	YES*			50	YES*			4	4
	37.5° to 45°	32	YES*			40	YES*			4	4

10 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	10 psf Ground Snow Load 3-Module Configurations
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90 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	36	OK	OK	OK	OK	18 x 18	24	42	OK	OK	OK	OK	21 x 21
	15° to 22.5°	24	45	OK	OK	OK	OK	24 x 21	24	54	NA	OK	OK	OK	30 x 27
	22.5° to 30°	24	54	OK	OK	OK	OK	27 x 24	24	69	NA	OK	OK	OK	33 x 33
	30° to 37.5°	24	57	OK	OK	OK	OK	30 x 27	24	75	NA	NA	OK	OK	39 x 36
	37.5° to 45°	24	63	OK	OK	OK	OK	33 x 30	24	78	NA	NA	OK	OK	39 x 39

95 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	36	OK	OK	OK	OK	18 x 18	24	45	OK	OK	OK	OK	24 x 21
	15° to 22.5°	24	45	OK	OK	OK	OK	24 x 21	24	57	NA	OK	OK	OK	30 x 30
	22.5° to 30°	24	54	OK	OK	OK	OK	27 x 27	24	72	NA	NA	OK	OK	36 x 36
	30° to 37.5°	24	60	OK	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	66	NA	OK	OK	OK	33 x 30	24	78	NA	NA	OK	OK	39 x 39

100 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	36	OK	OK	OK	OK	21 x 18	24	48	OK	OK	OK	OK	24 x 24
	15° to 22.5°	24	48	OK	OK	OK	OK	24 x 24	24	60	NA	NA	OK	OK	30 x 30
	22.5° to 30°	24	54	OK	OK	OK	OK	27 x 27	24	72	NA	NA	OK	OK	36 x 36
	30° to 37.5°	24	60	OK	OK	OK	OK	30 x 30	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	66	NA	OK	OK	OK	33 x 33	24	78	NA	NA	OK	OK	39 x 39

105 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	39	OK	OK	OK	OK	21 x 18	24	48	NA	OK	OK	OK	27 x 24
	15° to 22.5°	24	48	OK	OK	OK	OK	24 x 24	24	63	NA	NA	OK	OK	33 x 30
	22.5° to 30°	24	57	OK	OK	OK	OK	30 x 27	24	75	NA	NA	OK	OK	36 x 36
	30° to 37.5°	24	63	NA	OK	OK	OK	30 x 30	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

10 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	10 psf Ground Snow Load 3-Module Configurations
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110 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 18
	7.5° to 15°	24	39	OK	OK	OK	OK	21 x 21	24	51	NA	OK	OK	OK	27 x 27
	15° to 22.5°	24	48	OK	OK	OK	OK	24 x 24	24	63	NA	NA	OK	OK	33 x 33
	22.5° to 30°	24	60	NA	OK	OK	OK	30 x 27	24	75	NA	NA	OK	OK	36 x 36
	30° to 37.5°	24	63	NA	OK	OK	OK	33 x 30	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

120 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 15	24	33	OK	OK	OK	OK	21 x 18
	7.5° to 15°	24	42	OK	OK	OK	OK	21 x 21	24	54	NA	OK	OK	OK	30 x 27
	15° to 22.5°	24	51	OK	OK	OK	OK	27 x 24	24	66	NA	NA	OK	OK	33 x 33
	22.5° to 30°	24	60	NA	OK	OK	OK	30 x 30	24	75	NA	NA	OK	OK	36 x 36
	30° to 37.5°	24	66	NA	OK	OK	OK	33 x 33	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

130 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 15	24	36	OK	OK	OK	OK	21 x 21
	7.5° to 15°	24	42	OK	OK	OK	OK	24 x 21	24	54	NA	OK	OK	OK	30 x 27
	15° to 22.5°	24	54	NA	OK	OK	OK	27 x 27	24	66	NA	NA	OK	OK	33 x 33
	22.5° to 30°	24	63	NA	OK	OK	OK	33 x 30	24	75	NA	NA	OK	OK	36 x 36
	30° to 37.5°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	72	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

140 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	18 x 18	24	36	OK	OK	OK	OK	24 x 21
	7.5° to 15°	24	45	OK	OK	OK	OK	24 x 24	24	54	NA	NA	OK	OK	30 x 27
	15° to 22.5°	24	54	NA	OK	OK	OK	27 x 27	24	66	NA	NA	OK	OK	33 x 33
	22.5° to 30°	24	66	NA	OK	OK	OK	33 x 30	24	75	NA	NA	OK	OK	39 x 36
	30° to 37.5°	24	72	NA	NA	OK	OK	36 x 36	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	72	NA	OK	OK	OK	36 x 36	24	78	NA	NA	OK	OK	39 x 39

10 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	10 psf Ground Snow Load 3-Module Configurations
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150 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	18 x 18	24	39	OK	OK	OK	OK	24 x 24
	7.5° to 15°	24	45	OK	OK	OK	OK	24 x 24	24	54	NA	NA	OK	OK	30 x 27
	15° to 22.5°	24	57	NA	OK	OK	OK	30 x 27	24	66	NA	NA	OK	OK	33 x 33
	22.5° to 30°	24	69	NA	NA	OK	OK	33 x 33	24	75	NA	NA	OK	OK	39 x 36
	30° to 37.5°	24	75	NA	NA	OK	OK	36 x 36	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

160 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	18 x 18	24	39	NA	OK	OK	OK	24 x 24
	7.5° to 15°	24	48	NA	OK	OK	OK	27 x 24	24	54	NA	NA	OK	OK	30 x 30
	15° to 22.5°	24	60	NA	OK	OK	OK	30 x 30	24	66	NA	NA	OK	OK	33 x 33
	22.5° to 30°	24	72	NA	NA	OK	OK	36 x 33	24	75	NA	NA	OK	OK	39 x 36
	30° to 37.5°	24	75	NA	NA	OK	OK	36 x 36	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

170 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	21 x 18	24	39	NA	OK	OK	OK	24 x 24
	7.5° to 15°	24	48	NA	OK	OK	OK	27 x 24	24	54	NA	NA	OK	OK	30 x 30
	15° to 22.5°	24	60	NA	NA	OK	OK	30 x 30	24	66	NA	NA	OK	OK	33 x 33
	22.5° to 30°	24	72	NA	NA	OK	OK	36 x 36	24	75	NA	NA	OK	OK	39 x 36
	30° to 37.5°	24	75	NA	NA	OK	OK	39 x 36	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

20 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	20 psf Ground Snow Load 3-Module Configurations
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90 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Post Span (PS, in)	Required Braces			Max Post Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	97	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		157	YES	YES	YES	2	2
	7.5° to 15°	96	YES			157	YES			2	2
	15° to 22.5°	94	YES			157	YES			2	2
	22.5° to 30°	92	YES			157	YES*			2	2
	30° to 37.5°	90	YES			157	YES*			2	2
	37.5° to 45°	92	YES			142	YES*			2	2

95 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	95	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		157	YES	YES	YES	2	2
	7.5° to 15°	93	YES			157	YES			2	2
	15° to 22.5°	91	YES			157	YES			2	2
	22.5° to 30°	87	YES			157	YES*			2	2
	30° to 37.5°	86	YES			157	YES*			2	2
	37.5° to 45°	87	YES*			128	YES*			2	2

100 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	94	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		157	YES	YES	YES	2	2
	7.5° to 15°	91	YES			157	YES			2	2
	15° to 22.5°	88	YES			157	YES			2	2
	22.5° to 30°	83	YES			151	YES*			2	2
	30° to 37.5°	82	YES			144	YES*			2	2
	37.5° to 45°	83	YES*			115	YES*			2	2

105 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	92	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		157	YES	YES	YES	2	2
	7.5° to 15°	88	YES			157	YES			2	2
	15° to 22.5°	85	YES			156	YES			2	2
	22.5° to 30°	80	YES			138	YES*			2	2
	30° to 37.5°	78	YES			131	YES*			2	2
	37.5° to 45°	80	YES*			104	YES*			2	2

110 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	90	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		157	YES	YES	YES	2	2
	7.5° to 15°	86	YES			157	YES			2	2
	15° to 22.5°	82	YES			147	YES			2	2
	22.5° to 30°	77	YES			127	YES*			2	2
	30° to 37.5°	75	YES			119	YES*			2	2
	37.5° to 45°	76	YES*			95	YES*			2	2

120 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	86	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		157	YES	YES	YES	2	2
	7.5° to 15°	81	YES			143	YES			2	2
	15° to 22.5°	76	YES			126	YES			2	2
	22.5° to 30°	71	YES			108	YES*			2	2
	30° to 37.5°	69	YES*			100	YES*			2	2
	37.5° to 45°	64	YES*			80	YES*			2	2

20 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	20 psf Ground Snow Load 3-Module Configurations
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130 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	83	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		149	YES	YES	YES	2	2
	7.5° to 15°	77	YES			129	YES			2	2
	15° to 22.5°	71	YES			109	YES			2	2
	22.5° to 30°	66	YES			93	YES*			2	3
	30° to 37.5°	64	YES*			85	YES*			3	3
	37.5° to 45°	55	YES*			68	YES*			2	3

140 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	80	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		138	YES	YES	YES	2	2
	7.5° to 15°	73	YES			114	YES			2	2
	15° to 22.5°	66	YES			95	YES			2	3
	22.5° to 30°	61	YES			81	YES*			3	3
	30° to 37.5°	60	YES*			73	YES*			3	3
	37.5° to 45°	48	YES*			58	YES*			3	3

150 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	77	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		127	YES	YES	YES	2	2
	7.5° to 15°	68	YES			100	YES			2	3
	15° to 22.5°	62	YES			83	YES			3	3
	22.5° to 30°	57	YES*			71	YES*			3	3
	30° to 37.5°	56	YES*			64	YES*			3	3
	37.5° to 45°	41	YES*			51	YES*			3	3

160 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	74	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		118	YES	YES	YES	2	2
	7.5° to 15°	64	YES			89	YES			3	3
	15° to 22.5°	58	YES			74	YES			3	3
	22.5° to 30°	54	YES*			63	YES*			3	4
	30° to 37.5°	49	YES*			56	YES*			3	4
	37.5° to 45°	36	YES*			45	YES*			3	4

170 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	71	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		109	YES	YES	YES	2	2
	7.5° to 15°	61	YES			79	YES			3	3
	15° to 22.5°	55	YES			65	YES			3	4
	22.5° to 30°	51	YES*			56	YES*			4	4
	30° to 37.5°	44	YES*			50	YES*			4	4
	37.5° to 45°	32	YES*			40	YES*			4	4

20 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	20 psf Ground Snow Load 3-Module Configurations
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90 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	33	OK	OK	OK	OK	18 x 15	24	42	OK	OK	OK	OK	21 x 21
	15° to 22.5°	24	42	OK	OK	OK	OK	21 x 21	24	54	NA	OK	OK	OK	30 x 27
	22.5° to 30°	24	54	OK	OK	OK	OK	27 x 24	24	69	NA	OK	OK	OK	33 x 33
	30° to 37.5°	24	57	OK	OK	OK	OK	30 x 27	24	75	NA	NA	OK	OK	39 x 36
	37.5° to 45°	24	63	OK	OK	OK	OK	33 x 30	24	78	NA	NA	OK	OK	39 x 39

95 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	36	OK	OK	OK	OK	18 x 18	24	45	OK	OK	OK	OK	24 x 21
	15° to 22.5°	24	45	OK	OK	OK	OK	24 x 21	24	57	NA	OK	OK	OK	30 x 30
	22.5° to 30°	24	54	OK	OK	OK	OK	27 x 27	24	72	NA	NA	OK	OK	36 x 36
	30° to 37.5°	24	60	OK	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	66	NA	OK	OK	OK	33 x 30	24	78	NA	NA	OK	OK	39 x 39

100 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	36	OK	OK	OK	OK	18 x 18	24	48	OK	OK	OK	OK	24 x 24
	15° to 22.5°	24	48	OK	OK	OK	OK	24 x 21	24	60	NA	NA	OK	OK	30 x 30
	22.5° to 30°	24	54	OK	OK	OK	OK	27 x 27	24	72	NA	NA	OK	OK	36 x 36
	30° to 37.5°	24	60	OK	OK	OK	OK	30 x 30	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	66	NA	OK	OK	OK	33 x 33	24	78	NA	NA	OK	OK	39 x 39

105 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	36	OK	OK	OK	OK	21 x 18	24	48	NA	OK	OK	OK	27 x 24
	15° to 22.5°	24	48	OK	OK	OK	OK	24 x 24	24	63	NA	NA	OK	OK	33 x 30
	22.5° to 30°	24	57	OK	OK	OK	OK	30 x 27	24	75	NA	NA	OK	OK	36 x 36
	30° to 37.5°	24	63	NA	OK	OK	OK	30 x 30	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

20 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	20 psf Ground Snow Load 3-Module Configurations
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110 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 18
	7.5° to 15°	24	39	OK	OK	OK	OK	21 x 18	24	51	NA	OK	OK	OK	27 x 27
	15° to 22.5°	24	48	OK	OK	OK	OK	24 x 24	24	63	NA	NA	OK	OK	33 x 33
	22.5° to 30°	24	60	NA	OK	OK	OK	30 x 27	24	75	NA	NA	OK	OK	36 x 36
	30° to 37.5°	24	63	NA	OK	OK	OK	33 x 30	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

120 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	33	OK	OK	OK	OK	21 x 18
	7.5° to 15°	24	42	OK	OK	OK	OK	21 x 21	24	54	NA	OK	OK	OK	27 x 27
	15° to 22.5°	24	51	OK	OK	OK	OK	27 x 24	24	66	NA	NA	OK	OK	33 x 33
	22.5° to 30°	24	60	NA	OK	OK	OK	30 x 30	24	75	NA	NA	OK	OK	36 x 36
	30° to 37.5°	24	66	NA	OK	OK	OK	33 x 33	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

130 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 15	24	33	OK	OK	OK	OK	21 x 21
	7.5° to 15°	24	42	OK	OK	OK	OK	24 x 21	24	54	NA	OK	OK	OK	30 x 27
	15° to 22.5°	24	54	NA	OK	OK	OK	27 x 27	24	66	NA	NA	OK	OK	33 x 33
	22.5° to 30°	24	63	NA	OK	OK	OK	33 x 30	24	75	NA	NA	OK	OK	36 x 36
	30° to 37.5°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	72	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

140 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 15	24	36	OK	OK	OK	OK	21 x 21
	7.5° to 15°	24	45	OK	OK	OK	OK	24 x 24	24	54	NA	NA	OK	OK	30 x 27
	15° to 22.5°	24	54	NA	OK	OK	OK	27 x 27	24	66	NA	NA	OK	OK	33 x 33
	22.5° to 30°	24	66	NA	OK	OK	OK	33 x 30	24	75	NA	NA	OK	OK	39 x 36
	30° to 37.5°	24	72	NA	NA	OK	OK	36 x 36	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	72	NA	OK	OK	OK	36 x 36	24	78	NA	NA	OK	OK	39 x 39

20 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	20 psf Ground Snow Load 3-Module Configurations
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150 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	18 x 18	24	36	OK	OK	OK	OK	24 x 21
	7.5° to 15°	24	45	OK	OK	OK	OK	24 x 24	24	54	NA	NA	OK	OK	30 x 27
	15° to 22.5°	24	57	NA	OK	OK	OK	30 x 27	24	66	NA	NA	OK	OK	33 x 33
	22.5° to 30°	24	69	NA	NA	OK	OK	33 x 33	24	75	NA	NA	OK	OK	39 x 36
	30° to 37.5°	24	75	NA	NA	OK	OK	36 x 36	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

160 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	18 x 18	24	36	OK	OK	OK	OK	24 x 21
	7.5° to 15°	24	48	NA	OK	OK	OK	27 x 24	24	54	NA	NA	OK	OK	30 x 30
	15° to 22.5°	24	60	NA	OK	OK	OK	30 x 30	24	66	NA	NA	OK	OK	33 x 33
	22.5° to 30°	24	72	NA	NA	OK	OK	36 x 33	24	75	NA	NA	OK	OK	39 x 36
	30° to 37.5°	24	75	NA	NA	OK	OK	36 x 36	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

170 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	21 x 18	24	36	OK	OK	OK	OK	24 x 24
	7.5° to 15°	24	48	NA	OK	OK	OK	27 x 24	24	54	NA	NA	OK	OK	30 x 30
	15° to 22.5°	24	60	NA	NA	OK	OK	30 x 30	24	66	NA	NA	OK	OK	33 x 33
	22.5° to 30°	24	72	NA	NA	OK	OK	36 x 36	24	75	NA	NA	OK	OK	39 x 36
	30° to 37.5°	24	75	NA	NA	OK	OK	39 x 36	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

30 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	30 psf Ground Snow Load 3-Module Configurations
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90 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Post Span (PS, in)	Required Braces			Max Post Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	92	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		157	YES	YES	YES	2	2
	7.5° to 15°	88	YES			157	YES			2	2
	15° to 22.5°	87	YES			157	YES			2	2
	22.5° to 30°	87	YES			157	YES*			2	2
	30° to 37.5°	89	YES			157	YES*			2	2
	37.5° to 45°	92	YES			142	YES*			2	2

95 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	90	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		157	YES	YES	YES	2	2
	7.5° to 15°	86	YES			157	YES			2	2
	15° to 22.5°	85	YES			156	YES			2	2
	22.5° to 30°	84	YES			153	YES*			2	2
	30° to 37.5°	86	YES			157	YES*			2	2
	37.5° to 45°	87	YES*			128	YES*			2	2

100 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	88	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		157	YES	YES	YES	2	2
	7.5° to 15°	84	YES			152	YES			2	2
	15° to 22.5°	83	YES			148	YES			2	2
	22.5° to 30°	81	YES			143	YES*			2	2
	30° to 37.5°	82	YES			144	YES*			2	2
	37.5° to 45°	83	YES*			115	YES*			2	2

105 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	87	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		157	YES	YES	YES	2	2
	7.5° to 15°	82	YES			145	YES			2	2
	15° to 22.5°	80	YES			140	YES			2	2
	22.5° to 30°	79	YES			135	YES*			2	2
	30° to 37.5°	78	YES			131	YES*			2	2
	37.5° to 45°	80	YES*			104	YES*			2	2

110 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	85	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		157	YES	YES	YES	2	2
	7.5° to 15°	80	YES			139	YES			2	2
	15° to 22.5°	78	YES			132	YES			2	2
	22.5° to 30°	76	YES			126	YES*			2	2
	30° to 37.5°	75	YES			119	YES*			2	2
	37.5° to 45°	76	YES*			95	YES*			2	2

120 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	82	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		147	YES	YES	YES	2	2
	7.5° to 15°	76	YES			126	YES			2	2
	15° to 22.5°	74	YES			119	YES			2	2
	22.5° to 30°	71	YES			108	YES*			2	2
	30° to 37.5°	69	YES*			100	YES*			2	2
	37.5° to 45°	64	YES*			80	YES*			2	2

30 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	30 psf Ground Snow Load 3-Module Configurations
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130 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	79	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		136	YES	YES	YES	2	2
	7.5° to 15°	73	YES			115	YES			2	2
	15° to 22.5°	70	YES			107	YES			2	2
	22.5° to 30°	66	YES			93	YES*			2	3
	30° to 37.5°	64	YES*			85	YES*			3	3
	37.5° to 45°	55	YES*			68	YES*			2	3

140 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	77	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		127	YES	YES	YES	2	2
	7.5° to 15°	70	YES			105	YES			2	2
	15° to 22.5°	66	YES			95	YES			2	3
	22.5° to 30°	61	YES			81	YES*			3	3
	30° to 37.5°	60	YES*			73	YES*			3	3
	37.5° to 45°	48	YES*			58	YES*			3	3

150 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	74	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		118	YES	YES	YES	2	2
	7.5° to 15°	67	YES			96	YES			2	3
	15° to 22.5°	62	YES			83	YES			3	3
	22.5° to 30°	57	YES*			71	YES*			3	3
	30° to 37.5°	56	YES*			64	YES*			3	3
	37.5° to 45°	41	YES*			51	YES*			3	3

160 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	71	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		110	YES	YES	YES	2	2
	7.5° to 15°	64	YES			88	YES			3	3
	15° to 22.5°	58	YES			74	YES			3	3
	22.5° to 30°	54	YES*			63	YES*			3	4
	30° to 37.5°	49	YES*			56	YES*			3	4
	37.5° to 45°	36	YES*			45	YES*			3	4

170 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	69	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		102	YES	YES	YES	2	2
	7.5° to 15°	61	YES			79	YES			3	3
	15° to 22.5°	55	YES			65	YES			3	4
	22.5° to 30°	51	YES*			56	YES*			4	4
	30° to 37.5°	44	YES*			50	YES*			4	4
	37.5° to 45°	32	YES*			40	YES*			4	4

30 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	30 psf Ground Snow Load 3-Module Configurations
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90 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	33	OK	OK	OK	OK	18 x 15	24	42	OK	OK	OK	OK	21 x 21
	15° to 22.5°	24	42	OK	OK	OK	OK	21 x 21	24	54	NA	OK	OK	OK	30 x 27
	22.5° to 30°	24	51	OK	OK	OK	OK	27 x 24	24	69	NA	OK	OK	OK	33 x 33
	30° to 37.5°	24	57	OK	OK	OK	OK	30 x 27	24	75	NA	NA	OK	OK	39 x 36
	37.5° to 45°	24	63	OK	OK	OK	OK	33 x 30	24	78	NA	NA	OK	OK	39 x 39

95 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	33	OK	OK	OK	OK	18 x 15	24	45	OK	OK	OK	OK	24 x 21
	15° to 22.5°	24	42	OK	OK	OK	OK	21 x 21	24	57	NA	OK	OK	OK	30 x 27
	22.5° to 30°	24	54	OK	OK	OK	OK	27 x 24	24	72	NA	NA	OK	OK	36 x 33
	30° to 37.5°	24	60	OK	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	66	NA	OK	OK	OK	33 x 30	24	78	NA	NA	OK	OK	39 x 39

100 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	36	OK	OK	OK	OK	18 x 18	24	45	OK	OK	OK	OK	24 x 24
	15° to 22.5°	24	45	OK	OK	OK	OK	24 x 21	24	60	NA	OK	OK	OK	30 x 30
	22.5° to 30°	24	54	OK	OK	OK	OK	27 x 27	24	72	NA	NA	OK	OK	36 x 36
	30° to 37.5°	24	60	OK	OK	OK	OK	30 x 30	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	66	NA	OK	OK	OK	33 x 33	24	78	NA	NA	OK	OK	39 x 39

105 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	36	OK	OK	OK	OK	18 x 18	24	48	OK	OK	OK	OK	24 x 24
	15° to 22.5°	24	48	OK	OK	OK	OK	24 x 21	24	60	NA	OK	OK	OK	30 x 30
	22.5° to 30°	24	57	OK	OK	OK	OK	27 x 27	24	72	NA	NA	OK	OK	36 x 36
	30° to 37.5°	24	63	NA	OK	OK	OK	30 x 30	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

30 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	30 psf Ground Snow Load 3-Module Configurations
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110 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 18
	7.5° to 15°	24	36	OK	OK	OK	OK	21 x 18	24	48	NA	OK	OK	OK	27 x 24
	15° to 22.5°	24	48	OK	OK	OK	OK	24 x 24	24	60	NA	NA	OK	OK	33 x 30
	22.5° to 30°	24	57	OK	OK	OK	OK	30 x 27	24	75	NA	NA	OK	OK	36 x 36
	30° to 37.5°	24	63	NA	OK	OK	OK	33 x 30	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

120 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	21 x 18
	7.5° to 15°	24	39	OK	OK	OK	OK	21 x 21	24	48	NA	OK	OK	OK	27 x 24
	15° to 22.5°	24	51	OK	OK	OK	OK	27 x 24	24	63	NA	NA	OK	OK	33 x 30
	22.5° to 30°	24	60	NA	OK	OK	OK	30 x 30	24	75	NA	NA	OK	OK	36 x 36
	30° to 37.5°	24	66	NA	OK	OK	OK	33 x 33	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

130 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	33	OK	OK	OK	OK	21 x 18
	7.5° to 15°	24	42	OK	OK	OK	OK	21 x 21	24	51	NA	OK	OK	OK	27 x 27
	15° to 22.5°	24	54	NA	OK	OK	OK	27 x 27	24	66	NA	NA	OK	OK	33 x 33
	22.5° to 30°	24	63	NA	OK	OK	OK	33 x 30	24	75	NA	NA	OK	OK	36 x 36
	30° to 37.5°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	72	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

140 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 15	24	33	OK	OK	OK	OK	21 x 21
	7.5° to 15°	24	45	OK	OK	OK	OK	24 x 21	24	54	NA	OK	OK	OK	30 x 27
	15° to 22.5°	24	54	NA	OK	OK	OK	27 x 27	24	66	NA	NA	OK	OK	33 x 33
	22.5° to 30°	24	66	NA	OK	OK	OK	33 x 30	24	75	NA	NA	OK	OK	39 x 36
	30° to 37.5°	24	72	NA	NA	OK	OK	36 x 36	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	72	NA	OK	OK	OK	36 x 36	24	78	NA	NA	OK	OK	39 x 39

30 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	30 psf Ground Snow Load 3-Module Configurations
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150 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 15	24	36	OK	OK	OK	OK	21 x 21
	7.5° to 15°	24	45	OK	OK	OK	OK	24 x 24	24	54	NA	OK	OK	OK	30 x 27
	15° to 22.5°	24	57	NA	OK	OK	OK	30 x 27	24	66	NA	NA	OK	OK	33 x 33
	22.5° to 30°	24	69	NA	NA	OK	OK	33 x 33	24	75	NA	NA	OK	OK	39 x 36
	30° to 37.5°	24	75	NA	NA	OK	OK	36 x 36	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

160 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	18 x 18	24	36	OK	OK	OK	OK	24 x 21
	7.5° to 15°	24	48	NA	OK	OK	OK	27 x 24	24	54	NA	NA	OK	OK	30 x 30
	15° to 22.5°	24	60	NA	OK	OK	OK	30 x 30	24	66	NA	NA	OK	OK	33 x 33
	22.5° to 30°	24	72	NA	NA	OK	OK	36 x 33	24	75	NA	NA	OK	OK	39 x 36
	30° to 37.5°	24	75	NA	NA	OK	OK	36 x 36	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

170 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	21 x 18	24	36	OK	OK	OK	OK	24 x 21
	7.5° to 15°	24	48	NA	OK	OK	OK	27 x 24	24	54	NA	NA	OK	OK	30 x 30
	15° to 22.5°	24	60	NA	NA	OK	OK	30 x 30	24	66	NA	NA	OK	OK	33 x 33
	22.5° to 30°	24	72	NA	NA	OK	OK	36 x 36	24	75	NA	NA	OK	OK	39 x 36
	30° to 37.5°	24	75	NA	NA	OK	OK	39 x 36	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

40 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	40 psf Ground Snow Load 3-Module Configurations
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90 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Post Span (PS, in)	Required Braces			Max Post Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	86	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		157	YES	YES	YES	2	2
	7.5° to 15°	82	YES			145	YES			2	2
	15° to 22.5°	82	YES			147	YES			2	2
	22.5° to 30°	83	YES			149	YES*			2	2
	30° to 37.5°	86	YES			157	YES*			2	2
	37.5° to 45°	91	YES			142	YES*			2	2

95 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	85	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		157	YES	YES	YES	2	2
	7.5° to 15°	80	YES			139	YES			2	2
	15° to 22.5°	80	YES			139	YES			2	2
	22.5° to 30°	80	YES			140	YES*			2	2
	30° to 37.5°	83	YES			150	YES*			2	2
	37.5° to 45°	87	YES*			128	YES*			2	2

100 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	84	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		152	YES	YES	YES	2	2
	7.5° to 15°	79	YES			133	YES			2	2
	15° to 22.5°	78	YES			133	YES			2	2
	22.5° to 30°	78	YES			132	YES*			2	2
	30° to 37.5°	81	YES			140	YES*			2	2
	37.5° to 45°	83	YES*			115	YES*			2	2

105 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	83	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		147	YES	YES	YES	2	2
	7.5° to 15°	77	YES			128	YES			2	2
	15° to 22.5°	76	YES			126	YES			2	2
	22.5° to 30°	76	YES			124	YES*			2	2
	30° to 37.5°	78	YES			131	YES*			2	2
	37.5° to 45°	80	YES*			104	YES*			2	2

110 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	81	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		143	YES	YES	YES	2	2
	7.5° to 15°	75	YES			123	YES			2	2
	15° to 22.5°	74	YES			120	YES			2	2
	22.5° to 30°	74	YES			117	YES*			2	2
	30° to 37.5°	75	YES			119	YES*			2	2
	37.5° to 45°	76	YES*			95	YES*			2	2

120 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	79	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		134	YES	YES	YES	2	2
	7.5° to 15°	72	YES			113	YES			2	2
	15° to 22.5°	71	YES			109	YES			2	2
	22.5° to 30°	70	YES			105	YES*			2	2
	30° to 37.5°	69	YES*			100	YES*			2	2
	37.5° to 45°	64	YES*			80	YES*			2	2

40 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	40 psf Ground Snow Load 3-Module Configurations
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130 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	76	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		125	YES	YES	YES	2	2
	7.5° to 15°	69	YES			104	YES			2	2
	15° to 22.5°	67	YES			99	YES			2	3
	22.5° to 30°	66	YES			93	YES*			2	3
	30° to 37.5°	64	YES*			85	YES*			3	3
	37.5° to 45°	55	YES*			68	YES*			2	3

140 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	74	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		117	YES	YES	YES	2	2
	7.5° to 15°	66	YES			96	YES			2	3
	15° to 22.5°	64	YES			90	YES			3	3
	22.5° to 30°	61	YES			81	YES*			3	3
	30° to 37.5°	60	YES*			73	YES*			3	3
	37.5° to 45°	48	YES*			58	YES*			3	3

150 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	71	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		109	YES	YES	YES	2	2
	7.5° to 15°	64	YES			88	YES			3	3
	15° to 22.5°	61	YES			82	YES			3	3
	22.5° to 30°	57	YES*			71	YES*			3	3
	30° to 37.5°	56	YES*			64	YES*			3	3
	37.5° to 45°	41	YES*			51	YES*			3	3

160 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	69	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		102	YES	YES	YES	2	2
	7.5° to 15°	61	YES			81	YES			3	3
	15° to 22.5°	58	YES			74	YES			3	3
	22.5° to 30°	54	YES*			63	YES*			3	4
	30° to 37.5°	49	YES*			56	YES*			3	4
	37.5° to 45°	36	YES*			45	YES*			3	4

170 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	66	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		96	YES	YES	YES	2	3
	7.5° to 15°	59	YES			75	YES			3	3
	15° to 22.5°	55	YES			65	YES			3	4
	22.5° to 30°	51	YES*			56	YES*			4	4
	30° to 37.5°	44	YES*			50	YES*			4	4
	37.5° to 45°	32	YES*			40	YES*			4	4

40 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	40 psf Ground Snow Load 3-Module Configurations
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90 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	30	OK	OK	OK	OK	18 x 15	24	42	OK	OK	OK	OK	21 x 21
	15° to 22.5°	24	42	OK	OK	OK	OK	21 x 21	24	54	NA	OK	OK	OK	27 x 27
	22.5° to 30°	24	51	OK	OK	OK	OK	24 x 24	24	66	NA	OK	OK	OK	33 x 33
	30° to 37.5°	24	57	OK	OK	OK	OK	27 x 27	24	75	NA	NA	OK	OK	39 x 36
	37.5° to 45°	24	63	OK	OK	OK	OK	33 x 30	24	78	NA	NA	OK	OK	39 x 39

95 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	33	OK	OK	OK	OK	18 x 15	24	42	OK	OK	OK	OK	21 x 21
	15° to 22.5°	24	42	OK	OK	OK	OK	21 x 21	24	54	NA	OK	OK	OK	27 x 27
	22.5° to 30°	24	51	OK	OK	OK	OK	27 x 24	24	69	NA	OK	OK	OK	33 x 33
	30° to 37.5°	24	57	OK	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	39 x 36
	37.5° to 45°	24	66	NA	OK	OK	OK	33 x 30	24	78	NA	NA	OK	OK	39 x 39

100 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	33	OK	OK	OK	OK	18 x 18	24	42	OK	OK	OK	OK	24 x 21
	15° to 22.5°	24	45	OK	OK	OK	OK	24 x 21	24	57	NA	OK	OK	OK	30 x 27
	22.5° to 30°	24	54	OK	OK	OK	OK	27 x 27	24	69	NA	NA	OK	OK	36 x 33
	30° to 37.5°	24	60	OK	OK	OK	OK	30 x 30	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	66	NA	OK	OK	OK	33 x 33	24	78	NA	NA	OK	OK	39 x 39

105 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	36	OK	OK	OK	OK	18 x 18	24	45	OK	OK	OK	OK	24 x 21
	15° to 22.5°	24	45	OK	OK	OK	OK	24 x 21	24	57	NA	OK	OK	OK	30 x 27
	22.5° to 30°	24	57	OK	OK	OK	OK	27 x 27	24	69	NA	NA	OK	OK	36 x 33
	30° to 37.5°	24	63	NA	OK	OK	OK	30 x 30	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

40 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	40 psf Ground Snow Load 3-Module Configurations
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110 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	36	OK	OK	OK	OK	18 x 18	24	45	OK	OK	OK	OK	24 x 24
	15° to 22.5°	24	48	OK	OK	OK	OK	24 x 24	24	60	NA	OK	OK	OK	30 x 30
	22.5° to 30°	24	57	OK	OK	OK	OK	30 x 27	24	72	NA	NA	OK	OK	36 x 33
	30° to 37.5°	24	63	NA	OK	OK	OK	33 x 30	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

120 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 18
	7.5° to 15°	24	39	OK	OK	OK	OK	21 x 18	24	48	OK	OK	OK	OK	24 x 24
	15° to 22.5°	24	51	OK	OK	OK	OK	27 x 24	24	60	NA	NA	OK	OK	30 x 30
	22.5° to 30°	24	60	NA	OK	OK	OK	30 x 30	24	72	NA	NA	OK	OK	36 x 36
	30° to 37.5°	24	66	NA	OK	OK	OK	33 x 33	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

130 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	21 x 18
	7.5° to 15°	24	42	OK	OK	OK	OK	21 x 21	24	48	NA	OK	OK	OK	27 x 24
	15° to 22.5°	24	51	NA	OK	OK	OK	27 x 24	24	63	NA	NA	OK	OK	33 x 30
	22.5° to 30°	24	63	NA	OK	OK	OK	33 x 30	24	75	NA	NA	OK	OK	36 x 36
	30° to 37.5°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	72	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

140 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 15	24	33	OK	OK	OK	OK	21 x 18
	7.5° to 15°	24	42	OK	OK	OK	OK	24 x 21	24	51	NA	OK	OK	OK	27 x 27
	15° to 22.5°	24	54	NA	OK	OK	OK	27 x 27	24	63	NA	NA	OK	OK	33 x 33
	22.5° to 30°	24	66	NA	OK	OK	OK	33 x 30	24	75	NA	NA	OK	OK	39 x 36
	30° to 37.5°	24	72	NA	NA	OK	OK	36 x 36	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	72	NA	OK	OK	OK	36 x 36	24	78	NA	NA	OK	OK	39 x 39

40 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	40 psf Ground Snow Load 3-Module Configurations
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150 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 15	24	33	OK	OK	OK	OK	21 x 21
	7.5° to 15°	24	45	OK	OK	OK	OK	24 x 24	24	51	NA	OK	OK	OK	27 x 27
	15° to 22.5°	24	57	NA	OK	OK	OK	30 x 27	24	66	NA	NA	OK	OK	33 x 33
	22.5° to 30°	24	69	NA	NA	OK	OK	33 x 33	24	75	NA	NA	OK	OK	39 x 36
	30° to 37.5°	24	75	NA	NA	OK	OK	36 x 36	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

160 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	18 x 18	24	33	OK	OK	OK	OK	21 x 21
	7.5° to 15°	24	48	OK	OK	OK	OK	24 x 24	24	54	NA	OK	OK	OK	30 x 27
	15° to 22.5°	24	60	NA	OK	OK	OK	30 x 30	24	66	NA	NA	OK	OK	33 x 33
	22.5° to 30°	24	72	NA	NA	OK	OK	36 x 33	24	75	NA	NA	OK	OK	39 x 36
	30° to 37.5°	24	75	NA	NA	OK	OK	36 x 36	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

170 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	18 x 18	24	36	OK	OK	OK	OK	24 x 21
	7.5° to 15°	24	48	NA	OK	OK	OK	27 x 24	24	54	NA	OK	OK	OK	30 x 27
	15° to 22.5°	24	60	NA	NA	OK	OK	30 x 30	24	66	NA	NA	OK	OK	33 x 33
	22.5° to 30°	24	72	NA	NA	OK	OK	36 x 36	24	75	NA	NA	OK	OK	39 x 36
	30° to 37.5°	24	75	NA	NA	OK	OK	39 x 36	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

50 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	50 psf Ground Snow Load 3-Module Configurations
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90 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Post Span (PS, in)	Required Braces			Max Post Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	80	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		140	YES	YES	YES	2	2
	7.5° to 15°	77	YES			128	YES			2	2
	15° to 22.5°	78	YES			132	YES			2	2
	22.5° to 30°	79	YES			136	YES			2	2
	30° to 37.5°	83	YES			149	YES*			2	2
	37.5° to 45°	89	YES			142	YES*			2	2

95 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	79	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		137	YES	YES	YES	2	2
	7.5° to 15°	75	YES			123	YES			2	2
	15° to 22.5°	76	YES			126	YES			2	2
	22.5° to 30°	77	YES			129	YES			2	2
	30° to 37.5°	81	YES			140	YES*			2	2
	37.5° to 45°	86	YES*			128	YES*			2	2

100 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	78	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		133	YES	YES	YES	2	2
	7.5° to 15°	74	YES			119	YES			2	2
	15° to 22.5°	75	YES			120	YES			2	2
	22.5° to 30°	75	YES			122	YES*			2	2
	30° to 37.5°	78	YES			132	YES*			2	2
	37.5° to 45°	83	YES*			115	YES*			2	2

105 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	77	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		129	YES	YES	YES	2	2
	7.5° to 15°	73	YES			114	YES			2	2
	15° to 22.5°	73	YES			115	YES			2	2
	22.5° to 30°	73	YES			116	YES*			2	2
	30° to 37.5°	76	YES			124	YES*			2	2
	37.5° to 45°	80	YES*			104	YES*			2	2

110 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	76	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		126	YES	YES	YES	2	2
	7.5° to 15°	71	YES			110	YES			2	2
	15° to 22.5°	71	YES			110	YES			2	2
	22.5° to 30°	71	YES			110	YES*			2	2
	30° to 37.5°	73	YES			117	YES*			2	2
	37.5° to 45°	76	YES*			95	YES*			2	2

120 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	74	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		119	YES	YES	YES	2	2
	7.5° to 15°	69	YES			102	YES			2	2
	15° to 22.5°	68	YES			100	YES			2	3
	22.5° to 30°	67	YES			99	YES*			2	3
	30° to 37.5°	69	YES*			100	YES*			2	2
	37.5° to 45°	64	YES*			80	YES*			2	2

50 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	50 psf Ground Snow Load 3-Module Configurations
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130 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	72	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		112	YES	YES	YES	2	2
	7.5° to 15°	66	YES			95	YES			2	3
	15° to 22.5°	65	YES			92	YES			2	3
	22.5° to 30°	64	YES			89	YES*			3	3
	30° to 37.5°	64	YES*			85	YES*			3	3
	37.5° to 45°	55	YES*			68	YES*			2	3

140 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	70	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		105	YES	YES	YES	2	2
	7.5° to 15°	64	YES			88	YES			3	3
	15° to 22.5°	62	YES			84	YES			3	3
	22.5° to 30°	61	YES			80	YES*			3	3
	30° to 37.5°	60	YES*			73	YES*			3	3
	37.5° to 45°	48	YES*			58	YES*			3	3

150 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	68	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		99	YES	YES	YES	2	3
	7.5° to 15°	61	YES			81	YES			3	3
	15° to 22.5°	59	YES			77	YES			3	3
	22.5° to 30°	57	YES*			71	YES*			3	3
	30° to 37.5°	56	YES*			64	YES*			3	3
	37.5° to 45°	41	YES*			51	YES*			3	3

160 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	66	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		93	YES	YES	YES	2	3
	7.5° to 15°	59	YES			75	YES			3	3
	15° to 22.5°	57	YES			70	YES			3	3
	22.5° to 30°	54	YES*			63	YES*			3	4
	30° to 37.5°	49	YES*			56	YES*			3	4
	37.5° to 45°	36	YES*			45	YES*			3	4

170 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	64	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		88	YES	YES	YES	3	3
	7.5° to 15°	57	YES			70	YES			3	3
	15° to 22.5°	55	YES			65	YES			3	4
	22.5° to 30°	51	YES*			56	YES*			4	4
	30° to 37.5°	44	YES*			50	YES*			4	4
	37.5° to 45°	32	YES*			40	YES*			4	4

50 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	50 psf Ground Snow Load 3-Module Configurations
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90 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	30	OK	OK	OK	OK	18 x 12	24	39	OK	OK	OK	OK	21 x 18
	15° to 22.5°	24	39	OK	OK	OK	OK	21 x 18	24	51	OK	OK	OK	OK	27 x 24
	22.5° to 30°	24	48	OK	OK	OK	OK	24 x 24	24	63	NA	OK	OK	OK	33 x 30
	30° to 37.5°	24	54	OK	OK	OK	OK	27 x 27	24	72	NA	NA	OK	OK	36 x 36
	37.5° to 45°	24	63	OK	OK	OK	OK	33 x 30	24	78	NA	NA	OK	OK	39 x 39

95 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	33	OK	OK	OK	OK	18 x 15	24	39	OK	OK	OK	OK	21 x 21
	15° to 22.5°	24	42	OK	OK	OK	OK	21 x 21	24	51	OK	OK	OK	OK	27 x 27
	22.5° to 30°	24	51	OK	OK	OK	OK	27 x 24	24	66	NA	OK	OK	OK	33 x 30
	30° to 37.5°	24	57	OK	OK	OK	OK	30 x 27	24	75	NA	NA	OK	OK	36 x 36
	37.5° to 45°	24	66	NA	OK	OK	OK	33 x 30	24	78	NA	NA	OK	OK	39 x 39

100 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	33	OK	OK	OK	OK	18 x 15	24	42	OK	OK	OK	OK	21 x 21
	15° to 22.5°	24	42	OK	OK	OK	OK	21 x 21	24	54	NA	OK	OK	OK	27 x 27
	22.5° to 30°	24	54	OK	OK	OK	OK	27 x 24	24	66	NA	OK	OK	OK	33 x 33
	30° to 37.5°	24	60	OK	OK	OK	OK	30 x 27	24	75	NA	NA	OK	OK	39 x 36
	37.5° to 45°	24	66	NA	OK	OK	OK	33 x 33	24	78	NA	NA	OK	OK	39 x 39

105 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	36	OK	OK	OK	OK	18 x 18	24	42	OK	OK	OK	OK	21 x 21
	15° to 22.5°	24	45	OK	OK	OK	OK	24 x 21	24	54	NA	OK	OK	OK	27 x 27
	22.5° to 30°	24	54	OK	OK	OK	OK	27 x 27	24	69	NA	OK	OK	OK	33 x 33
	30° to 37.5°	24	60	OK	OK	OK	OK	30 x 30	24	78	NA	NA	OK	OK	39 x 36
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

50 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	50 psf Ground Snow Load 3-Module Configurations
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110 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	36	OK	OK	OK	OK	18 x 18	24	42	OK	OK	OK	OK	24 x 21
	15° to 22.5°	24	45	OK	OK	OK	OK	24 x 21	24	57	NA	OK	OK	OK	30 x 27
	22.5° to 30°	24	57	OK	OK	OK	OK	27 x 27	24	69	NA	NA	OK	OK	36 x 33
	30° to 37.5°	24	63	NA	OK	OK	OK	30 x 30	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

120 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	39	OK	OK	OK	OK	21 x 18	24	45	OK	OK	OK	OK	24 x 24
	15° to 22.5°	24	48	OK	OK	OK	OK	24 x 24	24	57	NA	OK	OK	OK	30 x 30
	22.5° to 30°	24	60	NA	OK	OK	OK	30 x 27	24	72	NA	NA	OK	OK	36 x 33
	30° to 37.5°	24	66	NA	OK	OK	OK	33 x 33	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

130 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 18
	7.5° to 15°	24	39	OK	OK	OK	OK	21 x 21	24	48	OK	OK	OK	OK	24 x 24
	15° to 22.5°	24	51	OK	OK	OK	OK	27 x 24	24	60	NA	NA	OK	OK	30 x 30
	22.5° to 30°	24	63	NA	OK	OK	OK	30 x 30	24	72	NA	NA	OK	OK	36 x 36
	30° to 37.5°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	72	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

140 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 15	24	30	OK	OK	OK	OK	21 x 18
	7.5° to 15°	24	42	OK	OK	OK	OK	24 x 21	24	48	NA	OK	OK	OK	27 x 24
	15° to 22.5°	24	54	NA	OK	OK	OK	27 x 27	24	63	NA	NA	OK	OK	33 x 30
	22.5° to 30°	24	66	NA	OK	OK	OK	33 x 30	24	75	NA	NA	OK	OK	36 x 36
	30° to 37.5°	24	72	NA	NA	OK	OK	36 x 36	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	72	NA	OK	OK	OK	36 x 36	24	78	NA	NA	OK	OK	39 x 39

50 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	50 psf Ground Snow Load 3-Module Configurations
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150 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 15	24	33	OK	OK	OK	OK	21 x 18
	7.5° to 15°	24	45	OK	OK	OK	OK	24 x 21	24	51	NA	OK	OK	OK	27 x 27
	15° to 22.5°	24	57	NA	OK	OK	OK	30 x 27	24	63	NA	NA	OK	OK	33 x 30
	22.5° to 30°	24	69	NA	NA	OK	OK	33 x 33	24	75	NA	NA	OK	OK	39 x 36
	30° to 37.5°	24	75	NA	NA	OK	OK	36 x 36	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

160 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 18	24	33	OK	OK	OK	OK	21 x 21
	7.5° to 15°	24	45	OK	OK	OK	OK	24 x 24	24	51	NA	OK	OK	OK	27 x 27
	15° to 22.5°	24	60	NA	OK	OK	OK	30 x 30	24	66	NA	NA	OK	OK	33 x 33
	22.5° to 30°	24	72	NA	NA	OK	OK	36 x 33	24	75	NA	NA	OK	OK	39 x 36
	30° to 37.5°	24	75	NA	NA	OK	OK	36 x 36	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

170 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	18 x 18	24	33	OK	OK	OK	OK	21 x 21
	7.5° to 15°	24	48	NA	OK	OK	OK	27 x 24	24	51	NA	OK	OK	OK	30 x 27
	15° to 22.5°	24	60	NA	NA	OK	OK	30 x 30	24	66	NA	NA	OK	OK	33 x 33
	22.5° to 30°	24	72	NA	NA	OK	OK	36 x 36	24	75	NA	NA	OK	OK	39 x 36
	30° to 37.5°	24	75	NA	NA	OK	OK	39 x 36	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

60 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	60 psf Ground Snow Load 3-Module Configurations
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90 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Post Span (PS, in)	Required Braces			Max Post Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	74	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		120	YES	YES	YES	2	2
	7.5° to 15°	73	YES			114	YES			2	2
	15° to 22.5°	74	YES			120	YES			2	2
	22.5° to 30°	76	YES			126	YES			2	2
	30° to 37.5°	80	YES			140	YES*			2	2
	37.5° to 45°	87	YES			142	YES*			2	2

95 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	74	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay	120	YES	YES	YES	2	2	
	7.5° to 15°	71	YES		110	YES			2	2	
	15° to 22.5°	73	YES		115	YES			2	2	
	22.5° to 30°	74	YES		120	YES			2	2	
	30° to 37.5°	78	YES		132	YES*			2	2	
	37.5° to 45°	84	YES		128	YES*			2	2	

100 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	74	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		118	YES	YES	YES	2	2
	7.5° to 15°	70	YES			107	YES			2	2
	15° to 22.5°	71	YES			110	YES			2	2
	22.5° to 30°	72	YES			114	YES			2	2
	30° to 37.5°	76	YES			125	YES*			2	2
	37.5° to 45°	81	YES*			115	YES*			2	2

105 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	73	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		115	YES	YES	YES	2	2
	7.5° to 15°	69	YES			103	YES			2	2
	15° to 22.5°	70	YES			106	YES			2	2
	22.5° to 30°	71	YES			108	YES			2	2
	30° to 37.5°	74	YES			118	YES*			2	2
	37.5° to 45°	79	YES*			104	YES*			2	2

110 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	72	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay	112	YES	YES	YES	2	2	
	7.5° to 15°	68	YES		100	YES			2	3	
	15° to 22.5°	68	YES		101	YES			2	2	
	22.5° to 30°	69	YES		103	YES*			2	2	
	30° to 37.5°	72	YES		111	YES*			2	2	
	37.5° to 45°	76	YES*		95	YES*			2	2	

120 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	70	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay	107	YES	YES	YES	2	2	
	7.5° to 15°	66	YES		93	YES			2	3	
	15° to 22.5°	66	YES		93	YES			2	3	
	22.5° to 30°	66	YES		93	YES*			2	3	
	30° to 37.5°	68	YES*		99	YES*			2	3	
	37.5° to 45°	64	YES*		80	YES*			2	2	

60 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	60 psf Ground Snow Load 3-Module Configurations
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130 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	68	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		101	YES	YES	YES	2	2
	7.5° to 15°	63	YES			87	YES			3	3
	15° to 22.5°	63	YES			86	YES			3	3
	22.5° to 30°	62	YES			84	YES*			3	3
	30° to 37.5°	64	YES*			85	YES*			3	3
	37.5° to 45°	55	YES*			68	YES*			2	3

140 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	66	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		96	YES	YES	YES	2	3
	7.5° to 15°	61	YES			81	YES			3	3
	15° to 22.5°	60	YES			79	YES			3	3
	22.5° to 30°	59	YES			76	YES*			3	3
	30° to 37.5°	60	YES*			73	YES*			3	3
	37.5° to 45°	48	YES*			58	YES*			3	3

150 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	65	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		90	YES	YES	YES	2	3
	7.5° to 15°	59	YES			76	YES			3	3
	15° to 22.5°	58	YES			72	YES			3	3
	22.5° to 30°	57	YES*			70	YES*			3	3
	30° to 37.5°	56	YES*			64	YES*			3	3
	37.5° to 45°	41	YES*			51	YES*			3	3

160 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	63	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		85	YES	YES	YES	3	3
	7.5° to 15°	57	YES			70	YES			3	3
	15° to 22.5°	55	YES			67	YES			3	4
	22.5° to 30°	54	YES*			63	YES*			3	4
	30° to 37.5°	49	YES*			56	YES*			3	4
	37.5° to 45°	36	YES*			45	YES*			3	4

170 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	61	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		81	YES	YES	YES	3	3
	7.5° to 15°	55	YES			66	YES			3	4
	15° to 22.5°	53	YES			62	YES			3	4
	22.5° to 30°	51	YES*			56	YES*			4	4
	30° to 37.5°	44	YES*			50	YES*			4	4
	37.5° to 45°	32	YES*			40	YES*			4	4

60 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	60 psf Ground Snow Load 3-Module Configurations
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90 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	30	OK	OK	OK	OK	18 x 12	24	36	OK	OK	OK	OK	18 x 18
	15° to 22.5°	24	39	OK	OK	OK	OK	21 x 18	24	48	OK	OK	OK	OK	24 x 24
	22.5° to 30°	24	48	OK	OK	OK	OK	24 x 24	24	60	NA	OK	OK	OK	30 x 30
	30° to 37.5°	24	54	OK	OK	OK	OK	27 x 27	24	72	NA	OK	OK	OK	36 x 33
	37.5° to 45°	24	63	OK	OK	OK	OK	30 x 30	24	78	NA	NA	OK	OK	39 x 39

95 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	30	OK	OK	OK	OK	18 x 15	24	39	OK	OK	OK	OK	21 x 18
	15° to 22.5°	24	42	OK	OK	OK	OK	21 x 18	24	51	OK	OK	OK	OK	27 x 24
	22.5° to 30°	24	51	OK	OK	OK	OK	24 x 24	24	63	NA	OK	OK	OK	33 x 30
	30° to 37.5°	24	57	OK	OK	OK	OK	27 x 27	24	72	NA	NA	OK	OK	36 x 36
	37.5° to 45°	24	63	NA	OK	OK	OK	33 x 30	24	78	NA	NA	OK	OK	39 x 39

100 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	33	OK	OK	OK	OK	18 x 15	24	39	OK	OK	OK	OK	21 x 18
	15° to 22.5°	24	42	OK	OK	OK	OK	21 x 21	24	51	OK	OK	OK	OK	27 x 24
	22.5° to 30°	24	51	OK	OK	OK	OK	27 x 24	24	66	NA	OK	OK	OK	33 x 30
	30° to 37.5°	24	60	OK	OK	OK	OK	30 x 27	24	75	NA	NA	OK	OK	36 x 36
	37.5° to 45°	24	66	NA	OK	OK	OK	33 x 33	24	78	NA	NA	OK	OK	39 x 39

105 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	33	OK	OK	OK	OK	18 x 15	24	39	OK	OK	OK	OK	21 x 21
	15° to 22.5°	24	45	OK	OK	OK	OK	21 x 21	24	54	NA	OK	OK	OK	27 x 27
	22.5° to 30°	24	54	OK	OK	OK	OK	27 x 27	24	66	NA	OK	OK	OK	33 x 33
	30° to 37.5°	24	60	OK	OK	OK	OK	30 x 30	24	75	NA	NA	OK	OK	39 x 36
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

60 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	60 psf Ground Snow Load 3-Module Configurations
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110 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	36	OK	OK	OK	OK	18 x 18	24	42	OK	OK	OK	OK	21 x 21
	15° to 22.5°	24	45	OK	OK	OK	OK	24 x 21	24	54	NA	OK	OK	OK	27 x 27
	22.5° to 30°	24	57	OK	OK	OK	OK	27 x 27	24	66	NA	OK	OK	OK	33 x 33
	30° to 37.5°	24	63	NA	OK	OK	OK	30 x 30	24	78	NA	NA	OK	OK	39 x 36
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

120 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	36	OK	OK	OK	OK	21 x 18	24	42	OK	OK	OK	OK	24 x 21
	15° to 22.5°	24	48	OK	OK	OK	OK	24 x 24	24	57	NA	OK	OK	OK	30 x 27
	22.5° to 30°	24	60	NA	OK	OK	OK	30 x 27	24	69	NA	NA	OK	OK	36 x 33
	30° to 37.5°	24	66	NA	OK	OK	OK	33 x 33	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

130 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 18
	7.5° to 15°	24	39	OK	OK	OK	OK	21 x 18	24	45	OK	OK	OK	OK	24 x 24
	15° to 22.5°	24	51	OK	OK	OK	OK	27 x 24	24	60	NA	OK	OK	OK	30 x 30
	22.5° to 30°	24	63	NA	OK	OK	OK	30 x 30	24	72	NA	NA	OK	OK	36 x 33
	30° to 37.5°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	72	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

140 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 18
	7.5° to 15°	24	42	OK	OK	OK	OK	21 x 21	24	48	OK	OK	OK	OK	24 x 24
	15° to 22.5°	24	54	NA	OK	OK	OK	27 x 27	24	60	NA	NA	OK	OK	30 x 30
	22.5° to 30°	24	66	NA	OK	OK	OK	33 x 30	24	72	NA	NA	OK	OK	36 x 36
	30° to 37.5°	24	72	NA	NA	OK	OK	36 x 36	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	72	NA	OK	OK	OK	36 x 36	24	78	NA	NA	OK	OK	39 x 39

60 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	60 psf Ground Snow Load 3-Module Configurations
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150 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 15	24	30	OK	OK	OK	OK	21 x 18
	7.5° to 15°	24	42	OK	OK	OK	OK	24 x 21	24	48	NA	OK	OK	OK	27 x 24
	15° to 22.5°	24	57	NA	OK	OK	OK	30 x 27	24	60	NA	NA	OK	OK	33 x 30
	22.5° to 30°	24	69	NA	NA	OK	OK	33 x 33	24	75	NA	NA	OK	OK	36 x 36
	30° to 37.5°	24	75	NA	NA	OK	OK	36 x 36	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

160 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 15	24	30	OK	OK	OK	OK	21 x 18
	7.5° to 15°	24	45	OK	OK	OK	OK	24 x 24	24	48	NA	OK	OK	OK	27 x 24
	15° to 22.5°	24	57	NA	OK	OK	OK	30 x 27	24	63	NA	NA	OK	OK	33 x 30
	22.5° to 30°	24	72	NA	NA	OK	OK	36 x 33	24	75	NA	NA	OK	OK	39 x 36
	30° to 37.5°	24	75	NA	NA	OK	OK	36 x 36	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

170 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	18 x 18	24	33	OK	OK	OK	OK	21 x 21
	7.5° to 15°	24	48	NA	OK	OK	OK	24 x 24	24	51	NA	OK	OK	OK	27 x 27
	15° to 22.5°	24	60	NA	NA	OK	OK	30 x 30	24	66	NA	NA	OK	OK	33 x 33
	22.5° to 30°	24	72	NA	NA	OK	OK	36 x 36	24	75	NA	NA	OK	OK	39 x 36
	30° to 37.5°	24	75	NA	NA	OK	OK	39 x 36	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

70 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	70 psf Ground Snow Load 3-Module Configurations
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90 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Post Span (PS, in)	Required Braces			Max Post Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	69	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		104	YES	YES	YES	2	3
	7.5° to 15°	69	YES			103	YES			2	3
	15° to 22.5°	71	YES			110	YES			2	2
	22.5° to 30°	74	YES			117	YES			2	2
	30° to 37.5°	78	YES			132	YES*			2	2
	37.5° to 45°	85	YES			142	YES*			2	2

95 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	69	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		104	YES	YES	YES	2	3
	7.5° to 15°	68	YES			100	YES			2	3
	15° to 22.5°	70	YES			106	YES			2	2
	22.5° to 30°	72	YES			112	YES			2	2
	30° to 37.5°	76	YES			125	YES*			2	2
	37.5° to 45°	82	YES			128	YES*			2	2

100 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	69	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		104	YES	YES	YES	2	3
	7.5° to 15°	67	YES			97	YES			2	3
	15° to 22.5°	69	YES			102	YES			2	2
	22.5° to 30°	70	YES			106	YES			2	2
	30° to 37.5°	74	YES			118	YES*			2	2
	37.5° to 45°	79	YES*			115	YES*			2	2

105 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	69	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		104	YES	YES	YES	2	3
	7.5° to 15°	66	YES			94	YES			2	3
	15° to 22.5°	67	YES			98	YES			2	3
	22.5° to 30°	68	YES			101	YES			2	2
	30° to 37.5°	72	YES			112	YES*			2	2
	37.5° to 45°	77	YES*			104	YES*			2	2

110 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	68	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		101	YES	YES	YES	2	3
	7.5° to 15°	65	YES			91	YES			2	3
	15° to 22.5°	66	YES			94	YES			2	3
	22.5° to 30°	67	YES			97	YES			2	3
	30° to 37.5°	70	YES			106	YES*			2	2
	37.5° to 45°	75	YES*			95	YES*			2	2

120 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	67	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		97	YES	YES	YES	2	3
	7.5° to 15°	63	YES			86	YES			3	3
	15° to 22.5°	63	YES			87	YES			3	3
	22.5° to 30°	64	YES			88	YES*			3	3
	30° to 37.5°	66	YES			95	YES*			2	3
	37.5° to 45°	64	YES*			80	YES*			2	2

70 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	70 psf Ground Snow Load 3-Module Configurations
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130 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	65	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		92	YES	YES	YES	2	3
	7.5° to 15°	61	YES			80	YES			3	3
	15° to 22.5°	61	YES			80	YES			3	3
	22.5° to 30°	61	YES			80	YES*			3	3
	30° to 37.5°	63	YES*			85	YES*			3	3
	37.5° to 45°	55	YES*			68	YES*			2	3

140 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	64	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		88	YES	YES	YES	3	3
	7.5° to 15°	59	YES			75	YES			3	3
	15° to 22.5°	59	YES			74	YES			3	3
	22.5° to 30°	58	YES			73	YES*			3	3
	30° to 37.5°	60	YES*			73	YES*			3	3
	37.5° to 45°	48	YES*			58	YES*			3	3

150 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	62	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		83	YES	YES	YES	3	3
	7.5° to 15°	57	YES			71	YES			3	3
	15° to 22.5°	56	YES			69	YES			3	3
	22.5° to 30°	55	YES*			67	YES*			3	4
	30° to 37.5°	56	YES*			64	YES*			3	3
	37.5° to 45°	41	YES*			51	YES*			3	3

160 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	60	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		79	YES	YES	YES	3	3
	7.5° to 15°	55	YES			66	YES			3	4
	15° to 22.5°	54	YES			63	YES			3	4
	22.5° to 30°	53	YES*			61	YES*			3	4
	30° to 37.5°	49	YES*			56	YES*			3	4
	37.5° to 45°	36	YES*			45	YES*			3	4

170 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	59	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		75	YES	YES	YES	3	3
	7.5° to 15°	53	YES			62	YES			3	4
	15° to 22.5°	52	YES			59	YES			4	4
	22.5° to 30°	51	YES*			56	YES*			4	4
	30° to 37.5°	44	YES*			50	YES*			4	4
	37.5° to 45°	32	YES*			40	YES*			4	4

70 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	70 psf Ground Snow Load 3-Module Configurations
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90 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	30	OK	OK	OK	OK	18 x 12	24	36	OK	OK	OK	OK	18 x 18
	15° to 22.5°	24	39	OK	OK	OK	OK	21 x 18	24	48	OK	OK	OK	OK	24 x 24
	22.5° to 30°	24	48	OK	OK	OK	OK	24 x 24	24	60	OK	OK	OK	OK	30 x 27
	30° to 37.5°	24	54	OK	OK	OK	OK	27 x 24	24	69	NA	OK	OK	OK	36 x 33
	37.5° to 45°	24	60	OK	OK	OK	OK	30 x 30	24	78	NA	NA	OK	OK	39 x 39

95 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	30	OK	OK	OK	OK	18 x 12	24	36	OK	OK	OK	OK	18 x 18
	15° to 22.5°	24	39	OK	OK	OK	OK	21 x 18	24	48	OK	OK	OK	OK	24 x 24
	22.5° to 30°	24	51	OK	OK	OK	OK	24 x 24	24	60	NA	OK	OK	OK	30 x 30
	30° to 37.5°	24	57	OK	OK	OK	OK	27 x 27	24	72	NA	OK	OK	OK	36 x 33
	37.5° to 45°	24	63	OK	OK	OK	OK	33 x 30	24	78	NA	NA	OK	OK	39 x 39

100 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	33	OK	OK	OK	OK	18 x 15	24	36	OK	OK	OK	OK	21 x 18
	15° to 22.5°	24	42	OK	OK	OK	OK	21 x 21	24	51	OK	OK	OK	OK	27 x 24
	22.5° to 30°	24	51	OK	OK	OK	OK	27 x 24	24	63	NA	OK	OK	OK	30 x 30
	30° to 37.5°	24	57	OK	OK	OK	OK	30 x 27	24	72	NA	NA	OK	OK	36 x 36
	37.5° to 45°	24	66	NA	OK	OK	OK	33 x 33	24	78	NA	NA	OK	OK	39 x 39

105 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	33	OK	OK	OK	OK	18 x 15	24	39	OK	OK	OK	OK	21 x 18
	15° to 22.5°	24	42	OK	OK	OK	OK	21 x 21	24	51	OK	OK	OK	OK	27 x 24
	22.5° to 30°	24	54	OK	OK	OK	OK	27 x 24	24	63	NA	OK	OK	OK	33 x 30
	30° to 37.5°	24	60	OK	OK	OK	OK	30 x 27	24	72	NA	NA	OK	OK	36 x 36
	37.5° to 45°	24	66	NA	OK	OK	OK	33 x 33	24	78	NA	NA	OK	OK	39 x 39

70 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	70 psf Ground Snow Load 3-Module Configurations
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110 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	33	OK	OK	OK	OK	18 x 18	24	39	OK	OK	OK	OK	21 x 21
	15° to 22.5°	24	45	OK	OK	OK	OK	24 x 21	24	51	NA	OK	OK	OK	27 x 24
	22.5° to 30°	24	54	OK	OK	OK	OK	27 x 27	24	66	NA	OK	OK	OK	33 x 30
	30° to 37.5°	24	60	NA	OK	OK	OK	30 x 30	24	75	NA	NA	OK	OK	39 x 36
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

120 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	36	OK	OK	OK	OK	18 x 18	24	42	OK	OK	OK	OK	21 x 21
	15° to 22.5°	24	48	OK	OK	OK	OK	24 x 24	24	54	NA	OK	OK	OK	27 x 27
	22.5° to 30°	24	60	OK	OK	OK	OK	30 x 27	24	69	NA	OK	OK	OK	33 x 33
	30° to 37.5°	24	66	NA	OK	OK	OK	33 x 30	24	78	NA	NA	OK	OK	39 x 36
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

130 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	39	OK	OK	OK	OK	21 x 18	24	42	OK	OK	OK	OK	24 x 21
	15° to 22.5°	24	51	OK	OK	OK	OK	27 x 24	24	57	NA	OK	OK	OK	30 x 27
	22.5° to 30°	24	60	NA	OK	OK	OK	30 x 30	24	69	NA	NA	OK	OK	36 x 33
	30° to 37.5°	24	69	NA	OK	OK	OK	33 x 33	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	72	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

140 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 18
	7.5° to 15°	24	42	OK	OK	OK	OK	21 x 21	24	45	OK	OK	OK	OK	24 x 24
	15° to 22.5°	24	54	NA	OK	OK	OK	27 x 27	24	60	NA	OK	OK	OK	30 x 30
	22.5° to 30°	24	66	NA	OK	OK	OK	33 x 30	24	72	NA	NA	OK	OK	36 x 33
	30° to 37.5°	24	72	NA	NA	OK	OK	36 x 36	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	72	NA	OK	OK	OK	36 x 36	24	78	NA	NA	OK	OK	39 x 39

70 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	70 psf Ground Snow Load 3-Module Configurations
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150 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 15	24	30	OK	OK	OK	OK	18 x 18
	7.5° to 15°	24	42	OK	OK	OK	OK	24 x 21	24	48	OK	OK	OK	OK	24 x 24
	15° to 22.5°	24	54	NA	OK	OK	OK	27 x 27	24	60	NA	NA	OK	OK	30 x 30
	22.5° to 30°	24	66	NA	OK	OK	OK	33 x 33	24	72	NA	NA	OK	OK	36 x 36
	30° to 37.5°	24	75	NA	NA	OK	OK	36 x 36	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

160 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 15	24	30	OK	OK	OK	OK	21 x 18
	7.5° to 15°	24	45	OK	OK	OK	OK	24 x 24	24	48	NA	OK	OK	OK	27 x 24
	15° to 22.5°	24	57	NA	OK	OK	OK	30 x 27	24	60	NA	NA	OK	OK	33 x 30
	22.5° to 30°	24	69	NA	NA	OK	OK	36 x 33	24	75	NA	NA	OK	OK	36 x 36
	30° to 37.5°	24	75	NA	NA	OK	OK	36 x 36	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

170 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	18 x 18	24	30	OK	OK	OK	OK	21 x 18
	7.5° to 15°	24	45	OK	OK	OK	OK	24 x 24	24	48	NA	OK	OK	OK	27 x 24
	15° to 22.5°	24	60	NA	NA	OK	OK	30 x 30	24	63	NA	NA	OK	OK	33 x 30
	22.5° to 30°	24	72	NA	NA	OK	OK	36 x 36	24	75	NA	NA	OK	OK	39 x 36
	30° to 37.5°	24	75	NA	NA	OK	OK	39 x 36	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

80 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	80 psf Ground Snow Load 3-Module Configurations
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90 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Post Span (PS, in)	Required Braces			Max Post Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	65	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		92	YES	YES	YES	3	3
	7.5° to 15°	66	YES			94	YES			3	3
	15° to 22.5°	68	YES			101	YES			2	3
	22.5° to 30°	71	YES			109	YES			2	2
	30° to 37.5°	76	YES			124	YES*			2	2
	37.5° to 45°	83	YES			142	YES*			2	2

95 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	65	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		92	YES	YES	YES	3	3
	7.5° to 15°	65	YES			92	YES			3	3
	15° to 22.5°	67	YES			98	YES			2	3
	22.5° to 30°	69	YES			105	YES			2	2
	30° to 37.5°	74	YES			118	YES*			2	2
	37.5° to 45°	80	YES			128	YES*			2	2

100 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	65	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		92	YES	YES	YES	3	3
	7.5° to 15°	64	YES			89	YES			3	3
	15° to 22.5°	66	YES			94	YES			2	3
	22.5° to 30°	68	YES			100	YES			2	3
	30° to 37.5°	72	YES			112	YES*			2	2
	37.5° to 45°	78	YES*			115	YES*			2	2

105 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	65	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		92	YES	YES	YES	3	3
	7.5° to 15°	63	YES			87	YES			3	3
	15° to 22.5°	65	YES			91	YES			2	3
	22.5° to 30°	66	YES			96	YES			2	3
	30° to 37.5°	70	YES			106	YES*			2	2
	37.5° to 45°	76	YES*			104	YES*			2	2

110 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	65	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		92	YES	YES	YES	3	3
	7.5° to 15°	62	YES			84	YES			3	3
	15° to 22.5°	64	YES			88	YES			3	3
	22.5° to 30°	65	YES			91	YES			2	3
	30° to 37.5°	68	YES			101	YES*			2	2
	37.5° to 45°	73	YES*			95	YES*			2	2

120 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	64	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		89	YES	YES	YES	3	3
	7.5° to 15°	61	YES			79	YES			3	3
	15° to 22.5°	61	YES			81	YES			3	3
	22.5° to 30°	62	YES			84	YES*			3	3
	30° to 37.5°	65	YES			91	YES*			2	3
	37.5° to 45°	64	YES*			80	YES*			2	2

80 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	80 psf Ground Snow Load 3-Module Configurations
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130 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	63	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		85	YES	YES	YES	3	3
	7.5° to 15°	59	YES			75	YES			3	3
	15° to 22.5°	59	YES			76	YES			3	3
	22.5° to 30°	59	YES			76	YES*			3	3
	30° to 37.5°	62	YES*			82	YES*			3	3
	37.5° to 45°	55	YES*			68	YES*			2	3

140 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	61	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay	81	YES	YES	YES	3	3	
	7.5° to 15°	57	YES		70	YES			3	3	
	15° to 22.5°	57	YES		70	YES			3	3	
	22.5° to 30°	57	YES		70	YES*			3	3	
	30° to 37.5°	59	YES*		73	YES*			3	3	
	37.5° to 45°	48	YES*		58	YES*			3	3	

150 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	60	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		77	YES	YES	YES	3	3
	7.5° to 15°	55	YES			66	YES			3	4
	15° to 22.5°	55	YES			65	YES			3	4
	22.5° to 30°	54	YES*			64	YES*			3	4
	30° to 37.5°	56	YES*			64	YES*			3	3
	37.5° to 45°	41	YES*			51	YES*			3	3

160 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	58	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		73	YES	YES	YES	3	3
	7.5° to 15°	54	YES			62	YES			3	4
	15° to 22.5°	53	YES			60	YES			3	4
	22.5° to 30°	52	YES*			59	YES*			4	4
	30° to 37.5°	49	YES*			56	YES*			3	4
	37.5° to 45°	36	YES*			45	YES*			3	4

170 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	57	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay	70	YES	YES	YES	3	3	
	7.5° to 15°	52	YES		59	YES			4	4	
	15° to 22.5°	51	YES		56	YES			4	4	
	22.5° to 30°	50	YES*		54	YES*			4	4	
	30° to 37.5°	44	YES*		50	YES*			4	4	
	37.5° to 45°	32	YES*		40	YES*			4	4	

80 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	80 psf Ground Snow Load 3-Module Configurations
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90 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	30	OK	OK	OK	OK	18 x 12	24	33	OK	OK	OK	OK	18 x 15
	15° to 22.5°	24	36	OK	OK	OK	OK	18 x 18	24	45	OK	OK	OK	OK	24 x 21
	22.5° to 30°	24	48	OK	OK	OK	OK	24 x 21	24	57	OK	OK	OK	OK	30 x 27
	30° to 37.5°	24	54	OK	OK	OK	OK	27 x 24	24	66	NA	OK	OK	OK	33 x 33
	37.5° to 45°	24	60	OK	OK	OK	OK	30 x 30	24	78	NA	NA	OK	OK	39 x 39

95 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	30	OK	OK	OK	OK	18 x 12	24	36	OK	OK	OK	OK	18 x 18
	15° to 22.5°	24	39	OK	OK	OK	OK	21 x 18	24	48	OK	OK	OK	OK	24 x 24
	22.5° to 30°	24	48	OK	OK	OK	OK	24 x 24	24	60	NA	OK	OK	OK	30 x 27
	30° to 37.5°	24	54	OK	OK	OK	OK	27 x 27	24	69	NA	OK	OK	OK	33 x 33
	37.5° to 45°	24	63	OK	OK	OK	OK	33 x 30	24	78	NA	NA	OK	OK	39 x 39

100 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	30	OK	OK	OK	OK	18 x 15	24	36	OK	OK	OK	OK	18 x 18
	15° to 22.5°	24	42	OK	OK	OK	OK	21 x 18	24	48	OK	OK	OK	OK	24 x 24
	22.5° to 30°	24	51	OK	OK	OK	OK	24 x 24	24	60	NA	OK	OK	OK	30 x 30
	30° to 37.5°	24	57	OK	OK	OK	OK	27 x 27	24	69	NA	OK	OK	OK	36 x 33
	37.5° to 45°	24	66	NA	OK	OK	OK	33 x 30	24	78	NA	NA	OK	OK	39 x 39

105 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	33	OK	OK	OK	OK	18 x 15	24	36	OK	OK	OK	OK	21 x 18
	15° to 22.5°	24	42	OK	OK	OK	OK	21 x 21	24	48	OK	OK	OK	OK	24 x 24
	22.5° to 30°	24	51	OK	OK	OK	OK	27 x 24	24	63	NA	OK	OK	OK	30 x 30
	30° to 37.5°	24	60	OK	OK	OK	OK	30 x 27	24	72	NA	NA	OK	OK	36 x 33
	37.5° to 45°	24	66	NA	OK	OK	OK	33 x 33	24	78	NA	NA	OK	OK	39 x 39

80 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	80 psf Ground Snow Load 3-Module Configurations
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110 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	33	OK	OK	OK	OK	18 x 15	24	39	OK	OK	OK	OK	21 x 18
	15° to 22.5°	24	45	OK	OK	OK	OK	21 x 21	24	51	OK	OK	OK	OK	27 x 24
	22.5° to 30°	24	54	OK	OK	OK	OK	27 x 27	24	63	NA	OK	OK	OK	33 x 30
	30° to 37.5°	24	60	OK	OK	OK	OK	30 x 30	24	72	NA	NA	OK	OK	36 x 36
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

120 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	36	OK	OK	OK	OK	18 x 18	24	39	OK	OK	OK	OK	21 x 21
	15° to 22.5°	24	48	OK	OK	OK	OK	24 x 21	24	54	NA	OK	OK	OK	27 x 27
	22.5° to 30°	24	57	OK	OK	OK	OK	30 x 27	24	66	NA	OK	OK	OK	33 x 33
	30° to 37.5°	24	66	NA	OK	OK	OK	33 x 30	24	75	NA	NA	OK	OK	39 x 36
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

130 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	39	OK	OK	OK	OK	21 x 18	24	42	OK	OK	OK	OK	24 x 21
	15° to 22.5°	24	48	OK	OK	OK	OK	24 x 24	24	54	NA	OK	OK	OK	27 x 27
	22.5° to 30°	24	60	NA	OK	OK	OK	30 x 30	24	69	NA	NA	OK	OK	33 x 33
	30° to 37.5°	24	69	NA	OK	OK	OK	33 x 33	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	72	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

140 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	39	OK	OK	OK	OK	21 x 21	24	45	OK	OK	OK	OK	24 x 21
	15° to 22.5°	24	51	NA	OK	OK	OK	27 x 24	24	57	NA	OK	OK	OK	30 x 27
	22.5° to 30°	24	63	NA	OK	OK	OK	33 x 30	24	69	NA	NA	OK	OK	36 x 33
	30° to 37.5°	24	72	NA	NA	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	72	NA	OK	OK	OK	36 x 36	24	78	NA	NA	OK	OK	39 x 39

80 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	80 psf Ground Snow Load 3-Module Configurations
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150 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 15	24	30	OK	OK	OK	OK	18 x 18
	7.5° to 15°	24	42	OK	OK	OK	OK	24 x 21	24	45	OK	OK	OK	OK	24 x 24
	15° to 22.5°	24	54	NA	OK	OK	OK	27 x 27	24	60	NA	OK	OK	OK	30 x 30
	22.5° to 30°	24	66	NA	OK	OK	OK	33 x 33	24	72	NA	NA	OK	OK	36 x 33
	30° to 37.5°	24	75	NA	NA	OK	OK	36 x 36	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

160 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 15	24	30	OK	OK	OK	OK	18 x 18
	7.5° to 15°	24	45	OK	OK	OK	OK	24 x 21	24	48	OK	OK	OK	OK	24 x 24
	15° to 22.5°	24	57	NA	OK	OK	OK	30 x 27	24	60	NA	NA	OK	OK	30 x 30
	22.5° to 30°	24	69	NA	NA	OK	OK	36 x 33	24	72	NA	NA	OK	OK	36 x 36
	30° to 37.5°	24	75	NA	NA	OK	OK	36 x 36	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

170 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 18	24	30	OK	OK	OK	OK	21 x 18
	7.5° to 15°	24	45	OK	OK	OK	OK	24 x 24	24	48	NA	OK	OK	OK	27 x 24
	15° to 22.5°	24	60	NA	OK	OK	OK	30 x 30	24	60	NA	NA	OK	OK	33 x 30
	22.5° to 30°	24	72	NA	NA	OK	OK	36 x 36	24	75	NA	NA	OK	OK	36 x 36
	30° to 37.5°	24	75	NA	NA	OK	OK	39 x 36	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

90 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	90 psf Ground Snow Load 3-Module Configurations
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90 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Post Span (PS, in)	Required Braces			Max Post Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	62	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		82	YES	YES	YES	3	3
	7.5° to 15°	62	YES			84	YES			3	3
	15° to 22.5°	66	YES			94	YES			2	3
	22.5° to 30°	69	YES			102	YES			2	2
	30° to 37.5°	74	YES			118	YES			2	2
	37.5° to 45°	81	YES			141	YES*			2	2

95 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	62	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		82	YES	YES	YES	3	3
	7.5° to 15°	62	YES			84	YES			3	3
	15° to 22.5°	65	YES			91	YES			2	3
	22.5° to 30°	67	YES			98	YES			2	3
	30° to 37.5°	72	YES			112	YES*			2	2
	37.5° to 45°	78	YES			128	YES*			2	2

100 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	62	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		82	YES	YES	YES	3	3
	7.5° to 15°	62	YES			82	YES			3	3
	15° to 22.5°	64	YES			88	YES			3	3
	22.5° to 30°	66	YES			94	YES			2	3
	30° to 37.5°	70	YES			107	YES*			2	2
	37.5° to 45°	76	YES			115	YES*			2	2

105 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	62	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		82	YES	YES	YES	3	3
	7.5° to 15°	61	YES			80	YES			3	3
	15° to 22.5°	63	YES			85	YES			3	3
	22.5° to 30°	65	YES			90	YES			2	3
	30° to 37.5°	68	YES			101	YES*			2	2
	37.5° to 45°	74	YES*			104	YES*			2	2

110 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	62	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		82	YES	YES	YES	3	3
	7.5° to 15°	60	YES			78	YES			3	3
	15° to 22.5°	62	YES			82	YES			3	3
	22.5° to 30°	63	YES			87	YES			3	3
	30° to 37.5°	67	YES			97	YES*			2	3
	37.5° to 45°	72	YES*			95	YES*			2	2

120 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	61	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		82	YES	YES	YES	3	3
	7.5° to 15°	58	YES			74	YES			3	3
	15° to 22.5°	59	YES			77	YES			3	3
	22.5° to 30°	61	YES			79	YES			3	3
	30° to 37.5°	64	YES			88	YES*			3	3
	37.5° to 45°	64	YES*			80	YES*			2	2

90 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	90 psf Ground Snow Load 3-Module Configurations
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130 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	60	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		78	YES	YES	YES	3	3
	7.5° to 15°	57	YES			70	YES			3	3
	15° to 22.5°	57	YES			71	YES			3	3
	22.5° to 30°	58	YES			73	YES*			3	3
	30° to 37.5°	61	YES*			79	YES*			3	3
	37.5° to 45°	55	YES*			68	YES*			2	3

140 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	59	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		75	YES	YES	YES	3	3
	7.5° to 15°	55	YES			66	YES			3	4
	15° to 22.5°	55	YES			67	YES			3	4
	22.5° to 30°	56	YES			67	YES*			3	3
	30° to 37.5°	58	YES*			72	YES*			3	3
	37.5° to 45°	48	YES*			58	YES*			3	3

150 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	58	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		72	YES	YES	YES	3	3
	7.5° to 15°	54	YES			62	YES			3	4
	15° to 22.5°	53	YES			62	YES			3	4
	22.5° to 30°	53	YES			62	YES*			3	4
	30° to 37.5°	55	YES*			64	YES*			3	4
	37.5° to 45°	41	YES*			51	YES*			3	3

160 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	56	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		69	YES	YES	YES	3	3
	7.5° to 15°	52	YES			59	YES			4	4
	15° to 22.5°	52	YES			58	YES			4	4
	22.5° to 30°	51	YES*			57	YES*			4	4
	30° to 37.5°	49	YES*			56	YES*			3	4
	37.5° to 45°	36	YES*			45	YES*			3	4

170 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	55	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		66	YES	YES	YES	3	4
	7.5° to 15°	51	YES			55	YES			4	4
	15° to 22.5°	50	YES			54	YES			4	4
	22.5° to 30°	49	YES*			52	YES*			4	4
	30° to 37.5°	44	YES*			50	YES*			4	4
	37.5° to 45°	32	YES*			40	YES*			4	4

90 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	90 psf Ground Snow Load 3-Module Configurations
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90 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	27	OK	OK	OK	OK	18 x 12	24	33	OK	OK	OK	OK	18 x 15
	15° to 22.5°	24	36	OK	OK	OK	OK	18 x 18	24	42	OK	OK	OK	OK	21 x 21
	22.5° to 30°	24	48	OK	OK	OK	OK	24 x 21	24	54	OK	OK	OK	OK	27 x 27
	30° to 37.5°	24	54	OK	OK	OK	OK	27 x 24	24	66	NA	OK	OK	OK	33 x 30
	37.5° to 45°	24	60	OK	OK	OK	OK	30 x 30	24	78	NA	NA	OK	OK	39 x 39

95 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	30	OK	OK	OK	OK	18 x 12	24	33	OK	OK	OK	OK	18 x 15
	15° to 22.5°	24	39	OK	OK	OK	OK	21 x 18	24	45	OK	OK	OK	OK	24 x 21
	22.5° to 30°	24	48	OK	OK	OK	OK	24 x 24	24	57	OK	OK	OK	OK	30 x 27
	30° to 37.5°	24	54	OK	OK	OK	OK	27 x 27	24	66	NA	OK	OK	OK	33 x 33
	37.5° to 45°	24	63	OK	OK	OK	OK	30 x 30	24	78	NA	NA	OK	OK	39 x 39

100 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	30	OK	OK	OK	OK	18 x 12	24	36	OK	OK	OK	OK	18 x 18
	15° to 22.5°	24	39	OK	OK	OK	OK	21 x 18	24	48	OK	OK	OK	OK	24 x 21
	22.5° to 30°	24	51	OK	OK	OK	OK	24 x 24	24	60	OK	OK	OK	OK	30 x 27
	30° to 37.5°	24	57	OK	OK	OK	OK	27 x 27	24	69	NA	OK	OK	OK	33 x 33
	37.5° to 45°	24	63	NA	OK	OK	OK	33 x 30	24	78	NA	NA	OK	OK	39 x 39

105 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	33	OK	OK	OK	OK	18 x 15	24	36	OK	OK	OK	OK	18 x 18
	15° to 22.5°	24	42	OK	OK	OK	OK	21 x 21	24	48	OK	OK	OK	OK	24 x 24
	22.5° to 30°	24	51	OK	OK	OK	OK	27 x 24	24	60	NA	OK	OK	OK	30 x 30
	30° to 37.5°	24	57	OK	OK	OK	OK	30 x 27	24	69	NA	OK	OK	OK	36 x 33
	37.5° to 45°	24	66	NA	OK	OK	OK	33 x 33	24	78	NA	NA	OK	OK	39 x 39

90 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	90 psf Ground Snow Load 3-Module Configurations
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110 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	33	OK	OK	OK	OK	18 x 15	24	36	OK	OK	OK	OK	21 x 18
	15° to 22.5°	24	42	OK	OK	OK	OK	21 x 21	24	48	OK	OK	OK	OK	24 x 24
	22.5° to 30°	24	54	OK	OK	OK	OK	27 x 24	24	63	NA	OK	OK	OK	30 x 30
	30° to 37.5°	24	60	OK	OK	OK	OK	30 x 30	24	72	NA	NA	OK	OK	36 x 33
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

120 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	36	OK	OK	OK	OK	18 x 18	24	39	OK	OK	OK	OK	21 x 18
	15° to 22.5°	24	45	OK	OK	OK	OK	24 x 21	24	51	OK	OK	OK	OK	27 x 24
	22.5° to 30°	24	57	OK	OK	OK	OK	27 x 27	24	66	NA	OK	OK	OK	33 x 30
	30° to 37.5°	24	63	NA	OK	OK	OK	33 x 30	24	75	NA	NA	OK	OK	36 x 36
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

130 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	36	OK	OK	OK	OK	21 x 18	24	42	OK	OK	OK	OK	21 x 21
	15° to 22.5°	24	48	OK	OK	OK	OK	24 x 24	24	54	NA	OK	OK	OK	27 x 27
	22.5° to 30°	24	60	NA	OK	OK	OK	30 x 27	24	66	NA	OK	OK	OK	33 x 33
	30° to 37.5°	24	66	NA	OK	OK	OK	33 x 33	24	75	NA	NA	OK	OK	39 x 36
	37.5° to 45°	24	72	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

140 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	39	OK	OK	OK	OK	21 x 21	24	42	OK	OK	OK	OK	24 x 21
	15° to 22.5°	24	51	OK	OK	OK	OK	27 x 24	24	57	NA	OK	OK	OK	30 x 27
	22.5° to 30°	24	63	NA	OK	OK	OK	33 x 30	24	69	NA	NA	OK	OK	33 x 33
	30° to 37.5°	24	72	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	72	NA	OK	OK	OK	36 x 36	24	78	NA	NA	OK	OK	39 x 39

90 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	90 psf Ground Snow Load 3-Module Configurations
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150 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	42	OK	OK	OK	OK	21 x 21	24	45	OK	OK	OK	OK	24 x 21
	15° to 22.5°	24	54	NA	OK	OK	OK	27 x 27	24	57	NA	OK	OK	OK	30 x 27
	22.5° to 30°	24	66	NA	OK	OK	OK	33 x 30	24	72	NA	NA	OK	OK	36 x 33
	30° to 37.5°	24	72	NA	NA	OK	OK	36 x 36	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

160 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 15	24	30	OK	OK	OK	OK	18 x 18
	7.5° to 15°	24	42	OK	OK	OK	OK	24 x 21	24	45	OK	OK	OK	OK	24 x 24
	15° to 22.5°	24	57	NA	OK	OK	OK	30 x 27	24	60	NA	OK	OK	OK	30 x 30
	22.5° to 30°	24	69	NA	NA	OK	OK	33 x 33	24	72	NA	NA	OK	OK	36 x 36
	30° to 37.5°	24	75	NA	NA	OK	OK	36 x 36	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

170 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 15	24	30	OK	OK	OK	OK	18 x 18
	7.5° to 15°	24	45	OK	OK	OK	OK	24 x 24	24	48	NA	OK	OK	OK	24 x 24
	15° to 22.5°	24	60	NA	OK	OK	OK	30 x 27	24	60	NA	NA	OK	OK	30 x 30
	22.5° to 30°	24	72	NA	NA	OK	OK	36 x 33	24	72	NA	NA	OK	OK	36 x 36
	30° to 37.5°	24	75	NA	NA	OK	OK	39 x 36	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

100 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	100 psf Ground Snow Load 3-Module Configurations
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90 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Post Span (PS, in)	Required Braces			Max Post Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	59	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		74	YES	YES	YES	3	3
	7.5° to 15°	59	YES			76	YES			3	3
	15° to 22.5°	64	YES			87	YES			3	3
	22.5° to 30°	67	YES			96	YES			2	3
	30° to 37.5°	72	YES			112	YES			2	2
	37.5° to 45°	79	YES			135	YES*			2	2

95 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	59	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		74	YES	YES	YES	3	3
	7.5° to 15°	59	YES			76	YES			3	3
	15° to 22.5°	63	YES			85	YES			3	3
	22.5° to 30°	65	YES			93	YES			2	3
	30° to 37.5°	70	YES			107	YES			2	2
	37.5° to 45°	77	YES			128	YES*			2	2

100 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	59	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		74	YES	YES	YES	3	3
	7.5° to 15°	59	YES			76	YES			3	3
	15° to 22.5°	62	YES			82	YES			3	3
	22.5° to 30°	64	YES			89	YES			3	3
	30° to 37.5°	69	YES			102	YES*			2	2
	37.5° to 45°	75	YES			115	YES*			2	2

105 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	59	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		74	YES	YES	YES	3	3
	7.5° to 15°	59	YES			75	YES			3	3
	15° to 22.5°	61	YES			80	YES			3	3
	22.5° to 30°	63	YES			86	YES			3	3
	30° to 37.5°	67	YES			97	YES*			2	3
	37.5° to 45°	73	YES*			104	YES*			2	2

110 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	59	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		74	YES	YES	YES	3	3
	7.5° to 15°	58	YES			73	YES			3	3
	15° to 22.5°	60	YES			77	YES			3	3
	22.5° to 30°	62	YES			82	YES			3	3
	30° to 37.5°	65	YES			92	YES*			2	3
	37.5° to 45°	71	YES*			95	YES*			2	2

120 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	59	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		74	YES	YES	YES	3	3
	7.5° to 15°	57	YES			69	YES			3	3
	15° to 22.5°	58	YES			72	YES			3	3
	22.5° to 30°	59	YES			76	YES			3	3
	30° to 37.5°	62	YES			84	YES*			3	3
	37.5° to 45°	64	YES*			80	YES*			2	3

100 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	100 psf Ground Snow Load 3-Module Configurations
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130 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	58	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		73	YES	YES	YES	3	3
	7.5° to 15°	55	YES			66	YES			3	4
	15° to 22.5°	56	YES			68	YES			3	3
	22.5° to 30°	57	YES			70	YES			3	3
	30° to 37.5°	59	YES*			77	YES*			3	3
	37.5° to 45°	55	YES*			68	YES*			3	3

140 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	57	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		70	YES	YES	YES	3	3
	7.5° to 15°	54	YES			62	YES			3	4
	15° to 22.5°	54	YES			63	YES			3	4
	22.5° to 30°	55	YES			64	YES*			3	4
	30° to 37.5°	57	YES*			70	YES*			3	3
	37.5° to 45°	48	YES*			58	YES*			3	3

150 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	56	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		67	YES	YES	YES	3	3
	7.5° to 15°	52	YES			59	YES			4	4
	15° to 22.5°	52	YES			59	YES			4	4
	22.5° to 30°	52	YES			59	YES*			4	4
	30° to 37.5°	54	YES*			64	YES*			3	4
	37.5° to 45°	41	YES*			51	YES*			3	3

160 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	54	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		64	YES	YES	YES	3	4
	7.5° to 15°	51	YES			56	YES			4	4
	15° to 22.5°	51	YES			55	YES			4	4
	22.5° to 30°	50	YES*			55	YES*			4	4
	30° to 37.5°	49	YES*			56	YES*			4	4
	37.5° to 45°	36	YES*			45	YES*			3	4

170 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	53	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		62	YES	YES	YES	3	4
	7.5° to 15°	49	YES			53	YES			4	4
	15° to 22.5°	49	YES			52	YES			4	4
	22.5° to 30°	48	YES*			51	YES*			4	4
	30° to 37.5°	44	YES*			50	YES*			4	4
	37.5° to 45°	32	YES*			40	YES*			4	4

100 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	100 psf Ground Snow Load 3-Module Configurations
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90 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	27	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	36	OK	OK	OK	OK	18 x 18	24	42	OK	OK	OK	OK	21 x 21
	22.5° to 30°	24	45	OK	OK	OK	OK	24 x 21	24	54	OK	OK	OK	OK	27 x 27
	30° to 37.5°	24	51	OK	OK	OK	OK	27 x 24	24	63	NA	OK	OK	OK	33 x 30
	37.5° to 45°	24	60	OK	OK	OK	OK	30 x 27	24	75	NA	NA	OK	OK	39 x 36

95 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	30	OK	OK	OK	OK	18 x 12	24	33	OK	OK	OK	OK	18 x 15
	15° to 22.5°	24	39	OK	OK	OK	OK	18 x 18	24	42	OK	OK	OK	OK	21 x 21
	22.5° to 30°	24	48	OK	OK	OK	OK	24 x 21	24	57	OK	OK	OK	OK	27 x 27
	30° to 37.5°	24	54	OK	OK	OK	OK	27 x 24	24	66	NA	OK	OK	OK	33 x 30
	37.5° to 45°	24	60	OK	OK	OK	OK	30 x 30	24	78	NA	NA	OK	OK	39 x 39

100 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	30	OK	OK	OK	OK	18 x 12	24	33	OK	OK	OK	OK	18 x 15
	15° to 22.5°	24	39	OK	OK	OK	OK	21 x 18	24	45	OK	OK	OK	OK	24 x 21
	22.5° to 30°	24	48	OK	OK	OK	OK	24 x 24	24	57	OK	OK	OK	OK	30 x 27
	30° to 37.5°	24	57	OK	OK	OK	OK	27 x 27	24	66	NA	OK	OK	OK	33 x 33
	37.5° to 45°	24	63	OK	OK	OK	OK	33 x 30	24	78	NA	NA	OK	OK	39 x 39

105 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	30	OK	OK	OK	OK	18 x 15	24	36	OK	OK	OK	OK	18 x 18
	15° to 22.5°	24	42	OK	OK	OK	OK	21 x 21	24	48	OK	OK	OK	OK	24 x 21
	22.5° to 30°	24	51	OK	OK	OK	OK	27 x 24	24	60	NA	OK	OK	OK	30 x 27
	30° to 37.5°	24	57	OK	OK	OK	OK	30 x 27	24	69	NA	OK	OK	OK	33 x 33
	37.5° to 45°	24	66	NA	OK	OK	OK	33 x 33	24	78	NA	NA	OK	OK	39 x 39

100 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	100 psf Ground Snow Load 3-Module Configurations
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110 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	33	OK	OK	OK	OK	18 x 15	24	36	OK	OK	OK	OK	18 x 18
	15° to 22.5°	24	42	OK	OK	OK	OK	21 x 21	24	48	OK	OK	OK	OK	24 x 24
	22.5° to 30°	24	54	OK	OK	OK	OK	27 x 24	24	60	NA	OK	OK	OK	30 x 30
	30° to 37.5°	24	60	OK	OK	OK	OK	30 x 27	24	69	NA	OK	OK	OK	36 x 33
	37.5° to 45°	24	69	NA	OK	OK	OK	33 x 33	24	78	NA	NA	OK	OK	39 x 39

120 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	36	OK	OK	OK	OK	18 x 18	24	39	OK	OK	OK	OK	21 x 18
	15° to 22.5°	24	45	OK	OK	OK	OK	24 x 21	24	51	OK	OK	OK	OK	27 x 24
	22.5° to 30°	24	57	OK	OK	OK	OK	27 x 27	24	63	NA	OK	OK	OK	33 x 30
	30° to 37.5°	24	63	NA	OK	OK	OK	33 x 30	24	72	NA	NA	OK	OK	36 x 36
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

130 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	36	OK	OK	OK	OK	21 x 18	24	39	OK	OK	OK	OK	21 x 21
	15° to 22.5°	24	48	OK	OK	OK	OK	24 x 24	24	54	NA	OK	OK	OK	27 x 24
	22.5° to 30°	24	60	NA	OK	OK	OK	30 x 27	24	66	NA	OK	OK	OK	33 x 30
	30° to 37.5°	24	66	NA	OK	OK	OK	33 x 33	24	75	NA	NA	OK	OK	39 x 36
	37.5° to 45°	24	72	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

140 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	39	OK	OK	OK	OK	21 x 18	24	42	OK	OK	OK	OK	21 x 21
	15° to 22.5°	24	51	OK	OK	OK	OK	27 x 24	24	54	NA	OK	OK	OK	27 x 27
	22.5° to 30°	24	63	NA	OK	OK	OK	30 x 30	24	66	NA	OK	OK	OK	33 x 33
	30° to 37.5°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 36
	37.5° to 45°	24	72	NA	OK	OK	OK	36 x 36	24	78	NA	NA	OK	OK	39 x 39

100 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	100 psf Ground Snow Load 3-Module Configurations
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150 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	42	OK	OK	OK	OK	21 x 21	24	42	OK	OK	OK	OK	24 x 21
	15° to 22.5°	24	54	NA	OK	OK	OK	27 x 27	24	57	NA	OK	OK	OK	30 x 27
	22.5° to 30°	24	66	NA	OK	OK	OK	33 x 30	24	69	NA	NA	OK	OK	36 x 33
	30° to 37.5°	24	72	NA	NA	OK	OK	36 x 36	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

160 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 15	24	27	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	42	OK	OK	OK	OK	24 x 21	24	45	OK	OK	OK	OK	24 x 24
	15° to 22.5°	24	57	NA	OK	OK	OK	30 x 27	24	57	NA	OK	OK	OK	30 x 27
	22.5° to 30°	24	69	NA	NA	OK	OK	33 x 33	24	72	NA	NA	OK	OK	36 x 33
	30° to 37.5°	24	75	NA	NA	OK	OK	36 x 36	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

170 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 15	24	30	OK	OK	OK	OK	18 x 18
	7.5° to 15°	24	45	OK	OK	OK	OK	24 x 24	24	45	OK	OK	OK	OK	24 x 24
	15° to 22.5°	24	57	NA	OK	OK	OK	30 x 27	24	60	NA	NA	OK	OK	30 x 30
	22.5° to 30°	24	72	NA	NA	OK	OK	36 x 33	24	72	NA	NA	OK	OK	36 x 36
	30° to 37.5°	24	75	NA	NA	OK	OK	39 x 36	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

110 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	110 psf Ground Snow Load 3-Module Configurations
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90 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Post Span (PS, in)	Required Braces			Max Post Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	56	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		68	YES	YES	YES	3	4
	7.5° to 15°	57	YES			70	YES			3	4
	15° to 22.5°	62	YES			82	YES			3	3
	22.5° to 30°	65	YES			91	YES			2	3
	30° to 37.5°	70	YES			106	YES			2	2
	37.5° to 45°	77	YES			130	YES*			2	2

95 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	56	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		68	YES	YES	YES	3	4
	7.5° to 15°	57	YES			70	YES			3	4
	15° to 22.5°	61	YES			80	YES			3	3
	22.5° to 30°	64	YES			88	YES			3	3
	30° to 37.5°	69	YES			102	YES			2	2
	37.5° to 45°	75	YES			123	YES*			2	2

100 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	56	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		68	YES	YES	YES	3	4
	7.5° to 15°	57	YES			70	YES			3	4
	15° to 22.5°	60	YES			77	YES			3	3
	22.5° to 30°	62	YES			85	YES			3	3
	30° to 37.5°	67	YES			97	YES*			2	3
	37.5° to 45°	73	YES			115	YES*			2	2

105 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	56	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		68	YES	YES	YES	3	4
	7.5° to 15°	57	YES			70	YES			3	4
	15° to 22.5°	59	YES			75	YES			3	3
	22.5° to 30°	61	YES			81	YES			3	3
	30° to 37.5°	65	YES			93	YES*			2	3
	37.5° to 45°	72	YES*			104	YES*			2	2

110 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	56	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		68	YES	YES	YES	3	4
	7.5° to 15°	56	YES			68	YES			3	4
	15° to 22.5°	58	YES			73	YES			3	3
	22.5° to 30°	60	YES			78	YES			3	3
	30° to 37.5°	64	YES			89	YES*			3	3
	37.5° to 45°	70	YES*			95	YES*			2	2

120 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	56	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		68	YES	YES	YES	3	4
	7.5° to 15°	55	YES			65	YES			3	4
	15° to 22.5°	56	YES			69	YES			3	3
	22.5° to 30°	58	YES			72	YES			3	3
	30° to 37.5°	61	YES			81	YES*			3	3
	37.5° to 45°	64	YES*			80	YES*			2	3

110 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	110 psf Ground Snow Load 3-Module Configurations
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130 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	56	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		68	YES	YES	YES	3	4
	7.5° to 15°	53	YES			62	YES			3	4
	15° to 22.5°	54	YES			64	YES			3	4
	22.5° to 30°	56	YES			67	YES			3	3
	30° to 37.5°	58	YES*			74	YES*			3	3
	37.5° to 45°	55	YES*			68	YES*			3	3

140 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	55	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		66	YES	YES	YES	3	4
	7.5° to 15°	52	YES			59	YES			4	4
	15° to 22.5°	53	YES			60	YES			3	4
	22.5° to 30°	53	YES			62	YES*			3	4
	30° to 37.5°	56	YES*			68	YES*			3	3
	37.5° to 45°	48	YES*			58	YES*			3	3

150 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	54	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		63	YES	YES	YES	3	4
	7.5° to 15°	51	YES			56	YES			4	4
	15° to 22.5°	51	YES			57	YES			4	4
	22.5° to 30°	51	YES			57	YES*			4	4
	30° to 37.5°	54	YES*			62	YES*			3	4
	37.5° to 45°	41	YES*			51	YES*			3	3

160 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	53	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		61	YES	YES	YES	3	4
	7.5° to 15°	49	YES			53	YES			4	4
	15° to 22.5°	49	YES			53	YES			4	4
	22.5° to 30°	49	YES*			53	YES*			4	4
	30° to 37.5°	49	YES*			56	YES*			4	4
	37.5° to 45°	36	YES*			45	YES*			3	4

170 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	52	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		58	YES	YES	YES	4	4
	7.5° to 15°	48	YES			50	YES			4	4
	15° to 22.5°	48	YES			50	YES			4	5
	22.5° to 30°	48	YES*			49	YES*			4	5
	30° to 37.5°	44	YES*			50	YES*			4	4
	37.5° to 45°	32	YES*			40	YES*			4	4

110 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	110 psf Ground Snow Load 3-Module Configurations
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90 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	27	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	36	OK	OK	OK	OK	18 x 18	24	42	OK	OK	OK	OK	21 x 21
	22.5° to 30°	24	45	OK	OK	OK	OK	24 x 21	24	54	OK	OK	OK	OK	27 x 24
	30° to 37.5°	24	51	OK	OK	OK	OK	27 x 24	24	63	OK	OK	OK	OK	30 x 30
	37.5° to 45°	24	60	OK	OK	OK	OK	30 x 27	24	75	NA	NA	OK	OK	39 x 36

95 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	27	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	36	OK	OK	OK	OK	18 x 18	24	42	OK	OK	OK	OK	21 x 21
	22.5° to 30°	24	48	OK	OK	OK	OK	24 x 21	24	54	OK	OK	OK	OK	27 x 27
	30° to 37.5°	24	54	OK	OK	OK	OK	27 x 24	24	63	NA	OK	OK	OK	33 x 30
	37.5° to 45°	24	60	OK	OK	OK	OK	30 x 30	24	78	NA	NA	OK	OK	39 x 36

100 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	30	OK	OK	OK	OK	18 x 12	24	33	OK	OK	OK	OK	18 x 15
	15° to 22.5°	24	39	OK	OK	OK	OK	21 x 18	24	45	OK	OK	OK	OK	21 x 21
	22.5° to 30°	24	48	OK	OK	OK	OK	24 x 24	24	57	OK	OK	OK	OK	27 x 27
	30° to 37.5°	24	54	OK	OK	OK	OK	27 x 27	24	66	NA	OK	OK	OK	33 x 30
	37.5° to 45°	24	63	OK	OK	OK	OK	33 x 30	24	78	NA	NA	OK	OK	39 x 39

105 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	30	OK	OK	OK	OK	18 x 15	24	33	OK	OK	OK	OK	18 x 15
	15° to 22.5°	24	42	OK	OK	OK	OK	21 x 18	24	45	OK	OK	OK	OK	24 x 21
	22.5° to 30°	24	51	OK	OK	OK	OK	24 x 24	24	57	OK	OK	OK	OK	30 x 27
	30° to 37.5°	24	57	OK	OK	OK	OK	27 x 27	24	66	NA	OK	OK	OK	33 x 33
	37.5° to 45°	24	66	NA	OK	OK	OK	33 x 33	24	78	NA	NA	OK	OK	39 x 39

110 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	110 psf Ground Snow Load 3-Module Configurations
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110 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	33	OK	OK	OK	OK	18 x 15	24	36	OK	OK	OK	OK	18 x 18
	15° to 22.5°	24	42	OK	OK	OK	OK	21 x 21	24	48	OK	OK	OK	OK	24 x 21
	22.5° to 30°	24	51	OK	OK	OK	OK	27 x 24	24	60	NA	OK	OK	OK	30 x 27
	30° to 37.5°	24	60	OK	OK	OK	OK	30 x 27	24	69	NA	OK	OK	OK	36 x 33
	37.5° to 45°	24	66	NA	OK	OK	OK	33 x 33	24	78	NA	NA	OK	OK	39 x 39

120 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	33	OK	OK	OK	OK	18 x 18	24	36	OK	OK	OK	OK	21 x 18
	15° to 22.5°	24	45	OK	OK	OK	OK	24 x 21	24	48	OK	OK	OK	OK	24 x 24
	22.5° to 30°	24	57	OK	OK	OK	OK	27 x 27	24	63	NA	OK	OK	OK	30 x 30
	30° to 37.5°	24	63	NA	OK	OK	OK	30 x 30	24	72	NA	NA	OK	OK	36 x 33
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

130 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	36	OK	OK	OK	OK	18 x 18	24	39	OK	OK	OK	OK	21 x 18
	15° to 22.5°	24	48	OK	OK	OK	OK	24 x 24	24	51	OK	OK	OK	OK	27 x 24
	22.5° to 30°	24	60	NA	OK	OK	OK	30 x 27	24	63	NA	OK	OK	OK	33 x 30
	30° to 37.5°	24	66	NA	OK	OK	OK	33 x 33	24	75	NA	NA	OK	OK	36 x 36
	37.5° to 45°	24	72	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

140 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	39	OK	OK	OK	OK	21 x 18	24	42	OK	OK	OK	OK	21 x 21
	15° to 22.5°	24	51	OK	OK	OK	OK	27 x 24	24	54	NA	OK	OK	OK	27 x 27
	22.5° to 30°	24	63	NA	OK	OK	OK	30 x 30	24	66	NA	OK	OK	OK	33 x 33
	30° to 37.5°	24	69	NA	OK	OK	OK	36 x 33	24	75	NA	NA	OK	OK	39 x 36
	37.5° to 45°	24	72	NA	OK	OK	OK	36 x 36	24	78	NA	NA	OK	OK	39 x 39

110 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	110 psf Ground Snow Load 3-Module Configurations
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150 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	39	OK	OK	OK	OK	21 x 21	24	42	OK	OK	OK	OK	24 x 21
	15° to 22.5°	24	54	NA	OK	OK	OK	27 x 24	24	54	NA	OK	OK	OK	27 x 27
	22.5° to 30°	24	66	NA	OK	OK	OK	33 x 30	24	69	NA	NA	OK	OK	33 x 33
	30° to 37.5°	24	72	NA	NA	OK	OK	36 x 36	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

160 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 15	24	27	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	42	OK	OK	OK	OK	24 x 21	24	42	OK	OK	OK	OK	24 x 21
	15° to 22.5°	24	54	NA	OK	OK	OK	27 x 27	24	57	NA	OK	OK	OK	30 x 27
	22.5° to 30°	24	66	NA	NA	OK	OK	33 x 33	24	69	NA	NA	OK	OK	36 x 33
	30° to 37.5°	24	75	NA	NA	OK	OK	36 x 36	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

170 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 15	24	27	OK	OK	OK	OK	18 x 18
	7.5° to 15°	24	45	OK	OK	OK	OK	24 x 21	24	45	OK	OK	OK	OK	24 x 24
	15° to 22.5°	24	57	NA	OK	OK	OK	30 x 27	24	60	NA	OK	OK	OK	30 x 27
	22.5° to 30°	24	72	NA	NA	OK	OK	36 x 33	24	72	NA	NA	OK	OK	36 x 33
	30° to 37.5°	24	75	NA	NA	OK	OK	39 x 36	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

120 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	120 psf Ground Snow Load 3-Module Configurations
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90 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Post Span (PS, in)	Required Braces			Max Post Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	54	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		63	YES	YES	YES	4	4
	7.5° to 15°	54	YES			64	YES			3	4
	15° to 22.5°	60	YES			77	YES			3	3
	22.5° to 30°	63	YES			86	YES			3	3
	30° to 37.5°	68	YES			101	YES			2	2
	37.5° to 45°	76	YES			125	YES*			2	2

95 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	54	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		63	YES	YES	YES	4	4
	7.5° to 15°	54	YES			64	YES			3	4
	15° to 22.5°	59	YES			75	YES			3	3
	22.5° to 30°	62	YES			83	YES			3	3
	30° to 37.5°	67	YES			97	YES			2	3
	37.5° to 45°	74	YES			119	YES*			2	2

100 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	54	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		63	YES	YES	YES	4	4
	7.5° to 15°	54	YES			64	YES			3	4
	15° to 22.5°	58	YES			73	YES			3	3
	22.5° to 30°	61	YES			80	YES			3	3
	30° to 37.5°	66	YES			93	YES			2	3
	37.5° to 45°	72	YES			113	YES*			2	2

105 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	54	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		63	YES	YES	YES	4	4
	7.5° to 15°	54	YES			64	YES			3	4
	15° to 22.5°	57	YES			71	YES			3	3
	22.5° to 30°	60	YES			78	YES			3	3
	30° to 37.5°	64	YES			89	YES*			3	3
	37.5° to 45°	70	YES			104	YES*			2	2

110 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	54	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		63	YES	YES	YES	4	4
	7.5° to 15°	54	YES			64	YES			3	4
	15° to 22.5°	56	YES			69	YES			3	3
	22.5° to 30°	59	YES			75	YES			3	3
	30° to 37.5°	63	YES			85	YES*			3	3
	37.5° to 45°	69	YES*			95	YES*			2	2

120 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	54	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		63	YES	YES	YES	4	4
	7.5° to 15°	53	YES			61	YES			3	4
	15° to 22.5°	55	YES			65	YES			3	4
	22.5° to 30°	57	YES			69	YES			3	3
	30° to 37.5°	60	YES			78	YES*			3	3
	37.5° to 45°	64	YES*			80	YES*			2	3

120 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	120 psf Ground Snow Load 3-Module Configurations
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130 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	54	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		63	YES	YES	YES	4	4
	7.5° to 15°	52	YES			58	YES			4	4
	15° to 22.5°	53	YES			61	YES			3	4
	22.5° to 30°	55	YES			64	YES			3	4
	30° to 37.5°	58	YES*			72	YES*			3	3
	37.5° to 45°	55	YES*			68	YES*			3	3

140 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	53	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		62	YES	YES	YES	4	4
	7.5° to 15°	51	YES			56	YES			4	4
	15° to 22.5°	52	YES			58	YES			4	4
	22.5° to 30°	52	YES			60	YES			3	4
	30° to 37.5°	55	YES*			66	YES*			3	4
	37.5° to 45°	48	YES*			58	YES*			3	3

150 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	52	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		59	YES	YES	YES	4	4
	7.5° to 15°	49	YES			53	YES			4	4
	15° to 22.5°	50	YES			54	YES			4	4
	22.5° to 30°	51	YES			55	YES*			4	4
	30° to 37.5°	53	YES*			60	YES*			3	4
	37.5° to 45°	41	YES*			51	YES*			3	3

160 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	51	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		57	YES	YES	YES	4	4
	7.5° to 15°	48	YES			50	YES			4	4
	15° to 22.5°	48	YES			51	YES			4	4
	22.5° to 30°	49	YES*			51	YES*			4	4
	30° to 37.5°	49	YES*			56	YES*			4	4
	37.5° to 45°	36	YES*			45	YES*			3	4

170 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	50	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		55	YES	YES	YES	4	4
	7.5° to 15°	47	YES			48	YES			4	5
	15° to 22.5°	47	YES			48	YES			4	5
	22.5° to 30°	47	YES*			48	YES*			4	5
	30° to 37.5°	44	YES*			50	YES*			4	4
	37.5° to 45°	32	YES*			40	YES*			4	4

120 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	120 psf Ground Snow Load 3-Module Configurations
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90 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	27	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	36	OK	OK	OK	OK	18 x 18	24	39	OK	OK	OK	OK	21 x 18
	22.5° to 30°	24	45	OK	OK	OK	OK	21 x 21	24	51	OK	OK	OK	OK	27 x 24
	30° to 37.5°	24	51	OK	OK	OK	OK	24 x 24	24	60	OK	OK	OK	OK	30 x 30
	37.5° to 45°	24	57	OK	OK	OK	OK	30 x 27	24	72	NA	OK	OK	OK	36 x 36

95 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	27	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	36	OK	OK	OK	OK	18 x 18	24	42	OK	OK	OK	OK	21 x 21
	22.5° to 30°	24	48	OK	OK	OK	OK	24 x 21	24	54	OK	OK	OK	OK	27 x 24
	30° to 37.5°	24	54	OK	OK	OK	OK	27 x 24	24	63	NA	OK	OK	OK	30 x 30
	37.5° to 45°	24	60	OK	OK	OK	OK	30 x 30	24	75	NA	NA	OK	OK	39 x 36

100 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	30	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 15
	15° to 22.5°	24	39	OK	OK	OK	OK	21 x 18	24	42	OK	OK	OK	OK	21 x 21
	22.5° to 30°	24	48	OK	OK	OK	OK	24 x 24	24	54	OK	OK	OK	OK	27 x 27
	30° to 37.5°	24	54	OK	OK	OK	OK	27 x 27	24	63	NA	OK	OK	OK	33 x 30
	37.5° to 45°	24	63	OK	OK	OK	OK	33 x 30	24	78	NA	NA	OK	OK	39 x 39

105 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	30	OK	OK	OK	OK	18 x 12	24	33	OK	OK	OK	OK	18 x 15
	15° to 22.5°	24	39	OK	OK	OK	OK	21 x 18	24	45	OK	OK	OK	OK	24 x 21
	22.5° to 30°	24	51	OK	OK	OK	OK	24 x 24	24	57	OK	OK	OK	OK	27 x 27
	30° to 37.5°	24	57	OK	OK	OK	OK	27 x 27	24	66	NA	OK	OK	OK	33 x 33
	37.5° to 45°	24	66	NA	OK	OK	OK	33 x 30	24	78	NA	NA	OK	OK	39 x 39

120 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	120 psf Ground Snow Load 3-Module Configurations
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110 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	30	OK	OK	OK	OK	18 x 15	24	33	OK	OK	OK	OK	18 x 15
	15° to 22.5°	24	42	OK	OK	OK	OK	21 x 21	24	45	OK	OK	OK	OK	24 x 21
	22.5° to 30°	24	51	OK	OK	OK	OK	27 x 24	24	57	OK	OK	OK	OK	30 x 27
	30° to 37.5°	24	60	OK	OK	OK	OK	30 x 27	24	66	NA	OK	OK	OK	33 x 33
	37.5° to 45°	24	66	NA	OK	OK	OK	33 x 33	24	78	NA	NA	OK	OK	39 x 39

120 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	33	OK	OK	OK	OK	18 x 15	24	36	OK	OK	OK	OK	18 x 18
	15° to 22.5°	24	45	OK	OK	OK	OK	24 x 21	24	48	OK	OK	OK	OK	24 x 24
	22.5° to 30°	24	54	OK	OK	OK	OK	27 x 27	24	60	NA	OK	OK	OK	30 x 30
	30° to 37.5°	24	63	NA	OK	OK	OK	30 x 30	24	69	NA	OK	OK	OK	36 x 33
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

130 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	36	OK	OK	OK	OK	18 x 18	24	36	OK	OK	OK	OK	21 x 18
	15° to 22.5°	24	48	OK	OK	OK	OK	24 x 21	24	51	OK	OK	OK	OK	27 x 24
	22.5° to 30°	24	60	NA	OK	OK	OK	30 x 27	24	63	NA	OK	OK	OK	30 x 30
	30° to 37.5°	24	66	NA	OK	OK	OK	33 x 33	24	72	NA	NA	OK	OK	36 x 36
	37.5° to 45°	24	72	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

140 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	39	OK	OK	OK	OK	21 x 18	24	39	OK	OK	OK	OK	21 x 21
	15° to 22.5°	24	51	OK	OK	OK	OK	24 x 24	24	51	NA	OK	OK	OK	27 x 24
	22.5° to 30°	24	60	NA	OK	OK	OK	30 x 30	24	66	NA	OK	OK	OK	33 x 30
	30° to 37.5°	24	69	NA	OK	OK	OK	36 x 33	24	75	NA	NA	OK	OK	39 x 36
	37.5° to 45°	24	72	NA	OK	OK	OK	36 x 36	24	78	NA	NA	OK	OK	39 x 39

120 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	120 psf Ground Snow Load 3-Module Configurations
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150 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	39	OK	OK	OK	OK	21 x 21	24	42	OK	OK	OK	OK	21 x 21
	15° to 22.5°	24	51	NA	OK	OK	OK	27 x 24	24	54	NA	OK	OK	OK	27 x 27
	22.5° to 30°	24	66	NA	OK	OK	OK	33 x 30	24	66	NA	OK	OK	OK	33 x 33
	30° to 37.5°	24	72	NA	NA	OK	OK	36 x 36	24	78	NA	NA	OK	OK	39 x 36
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

160 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	42	OK	OK	OK	OK	21 x 21	24	42	OK	OK	OK	OK	24 x 21
	15° to 22.5°	24	54	NA	OK	OK	OK	27 x 27	24	57	NA	OK	OK	OK	30 x 27
	22.5° to 30°	24	66	NA	NA	OK	OK	33 x 33	24	69	NA	NA	OK	OK	33 x 33
	30° to 37.5°	24	75	NA	NA	OK	OK	36 x 36	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

170 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 15	24	27	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	42	OK	OK	OK	OK	24 x 21	24	45	OK	OK	OK	OK	24 x 21
	15° to 22.5°	24	57	NA	OK	OK	OK	30 x 27	24	57	NA	OK	OK	OK	30 x 27
	22.5° to 30°	24	69	NA	NA	OK	OK	36 x 33	24	72	NA	NA	OK	OK	36 x 33
	30° to 37.5°	24	75	NA	NA	OK	OK	39 x 36	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

130 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	130 psf Ground Snow Load 3-Module Configurations
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90 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Post Span (PS, in)	Required Braces			Max Post Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	52	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay	58	YES	YES	YES	4	4	
	7.5° to 15°	52	YES		59	YES			4	4	
	15° to 22.5°	57	YES		71	YES			3	3	
	22.5° to 30°	62	YES		82	YES			3	3	
	30° to 37.5°	67	YES		97	YES			2	3	
	37.5° to 45°	74	YES		120	YES*			2	2	

95 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	52	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay	58	YES	YES	YES	4	4	
	7.5° to 15°	52	YES		59	YES			4	4	
	15° to 22.5°	57	YES		71	YES			3	3	
	22.5° to 30°	61	YES		79	YES			3	3	
	30° to 37.5°	66	YES		93	YES			2	3	
	37.5° to 45°	73	YES		114	YES*			2	2	

100 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	52	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		58	YES	YES	YES	4	4
	7.5° to 15°	52	YES			59	YES			4	4
	15° to 22.5°	56	YES			69	YES			3	3
	22.5° to 30°	59	YES			77	YES			3	3
	30° to 37.5°	64	YES			89	YES			3	3
	37.5° to 45°	71	YES			109	YES*			2	2

105 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	52	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		58	YES	YES	YES	4	4
	7.5° to 15°	52	YES			59	YES			4	4
	15° to 22.5°	56	YES			67	YES			3	4
	22.5° to 30°	58	YES			74	YES			3	3
	30° to 37.5°	63	YES			86	YES			3	3
	37.5° to 45°	69	YES			104	YES*			2	2

110 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	52	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		58	YES	YES	YES	4	4
	7.5° to 15°	52	YES			59	YES			4	4
	15° to 22.5°	55	YES			66	YES			3	4
	22.5° to 30°	57	YES			72	YES			3	3
	30° to 37.5°	62	YES			82	YES*			3	3
	37.5° to 45°	68	YES*			95	YES*			2	3

120 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	52	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		58	YES	YES	YES	4	4
	7.5° to 15°	52	YES			58	YES			4	4
	15° to 22.5°	53	YES			62	YES			3	4
	22.5° to 30°	55	YES			67	YES			3	4
	30° to 37.5°	59	YES			76	YES*			3	3
	37.5° to 45°	64	YES*			80	YES*			3	3

130 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	130 psf Ground Snow Load 3-Module Configurations
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130 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	52	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		58	YES	YES	YES	4	4
	7.5° to 15°	51	YES			55	YES			4	4
	15° to 22.5°	52	YES			59	YES			4	4
	22.5° to 30°	53	YES			62	YES			3	4
	30° to 37.5°	57	YES			69	YES*			3	3
	37.5° to 45°	55	YES*			68	YES*			3	3

140 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	52	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		58	YES	YES	YES	4	4
	7.5° to 15°	49	YES			53	YES			4	4
	15° to 22.5°	50	YES			55	YES			4	4
	22.5° to 30°	52	YES			58	YES			4	4
	30° to 37.5°	54	YES*			64	YES*			3	4
	37.5° to 45°	48	YES*			58	YES*			3	3

150 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	51	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		56	YES	YES	YES	4	4
	7.5° to 15°	48	YES			51	YES			4	4
	15° to 22.5°	49	YES			52	YES			4	4
	22.5° to 30°	50	YES			54	YES*			4	4
	30° to 37.5°	52	YES*			59	YES*			4	4
	37.5° to 45°	41	YES*			51	YES*			3	3

160 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	50	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		54	YES	YES	YES	4	4
	7.5° to 15°	47	YES			48	YES			4	5
	15° to 22.5°	48	YES			49	YES			4	5
	22.5° to 30°	48	YES*			50	YES*			4	5
	30° to 37.5°	49	YES*			54	YES*			4	4
	37.5° to 45°	36	YES*			45	YES*			3	4

170 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	49	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		52	YES	YES	YES	4	4
	7.5° to 15°	46	YES			46	YES			4	5
	15° to 22.5°	46	YES			46	YES			4	5
	22.5° to 30°	46	YES*			46	YES*			4	5
	30° to 37.5°	44	YES*			50	YES*			4	4
	37.5° to 45°	32	YES*			40	YES*			4	4

130 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	130 psf Ground Snow Load 3-Module Configurations
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90 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	27	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	36	OK	OK	OK	OK	18 x 15	24	39	OK	OK	OK	OK	21 x 18
	22.5° to 30°	24	45	OK	OK	OK	OK	21 x 21	24	51	OK	OK	OK	OK	24 x 24
	30° to 37.5°	24	51	OK	OK	OK	OK	24 x 24	24	60	OK	OK	OK	OK	30 x 27
	37.5° to 45°	24	57	OK	OK	OK	OK	30 x 27	24	72	NA	OK	OK	OK	36 x 36

95 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	27	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	36	OK	OK	OK	OK	18 x 18	24	39	OK	OK	OK	OK	21 x 18
	22.5° to 30°	24	45	OK	OK	OK	OK	24 x 21	24	51	OK	OK	OK	OK	27 x 24
	30° to 37.5°	24	51	OK	OK	OK	OK	27 x 24	24	60	OK	OK	OK	OK	30 x 30
	37.5° to 45°	24	60	OK	OK	OK	OK	30 x 30	24	75	NA	OK	OK	OK	36 x 36

100 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	30	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	39	OK	OK	OK	OK	18 x 18	24	42	OK	OK	OK	OK	21 x 21
	22.5° to 30°	24	48	OK	OK	OK	OK	24 x 21	24	54	OK	OK	OK	OK	27 x 24
	30° to 37.5°	24	54	OK	OK	OK	OK	27 x 24	24	63	NA	OK	OK	OK	30 x 30
	37.5° to 45°	24	63	OK	OK	OK	OK	30 x 30	24	75	NA	NA	OK	OK	39 x 36

105 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	30	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 15
	15° to 22.5°	24	39	OK	OK	OK	OK	21 x 18	24	42	OK	OK	OK	OK	21 x 21
	22.5° to 30°	24	48	OK	OK	OK	OK	24 x 24	24	54	OK	OK	OK	OK	27 x 27
	30° to 37.5°	24	57	OK	OK	OK	OK	27 x 27	24	66	NA	OK	OK	OK	33 x 30
	37.5° to 45°	24	63	NA	OK	OK	OK	33 x 30	24	78	NA	NA	OK	OK	39 x 39

130 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	130 psf Ground Snow Load 3-Module Configurations
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110 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	30	OK	OK	OK	OK	18 x 15	24	33	OK	OK	OK	OK	18 x 15
	15° to 22.5°	24	42	OK	OK	OK	OK	21 x 18	24	45	OK	OK	OK	OK	24 x 21
	22.5° to 30°	24	51	OK	OK	OK	OK	24 x 24	24	57	OK	OK	OK	OK	27 x 27
	30° to 37.5°	24	57	OK	OK	OK	OK	30 x 27	24	66	NA	OK	OK	OK	33 x 33
	37.5° to 45°	24	66	NA	OK	OK	OK	33 x 33	24	78	NA	NA	OK	OK	39 x 39

120 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	33	OK	OK	OK	OK	18 x 15	24	36	OK	OK	OK	OK	18 x 18
	15° to 22.5°	24	42	OK	OK	OK	OK	21 x 21	24	48	OK	OK	OK	OK	24 x 21
	22.5° to 30°	24	54	OK	OK	OK	OK	27 x 27	24	60	NA	OK	OK	OK	30 x 27
	30° to 37.5°	24	60	NA	OK	OK	OK	30 x 30	24	69	NA	OK	OK	OK	36 x 33
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

130 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	36	OK	OK	OK	OK	18 x 18	24	36	OK	OK	OK	OK	21 x 18
	15° to 22.5°	24	48	OK	OK	OK	OK	24 x 21	24	48	OK	OK	OK	OK	24 x 24
	22.5° to 30°	24	57	OK	OK	OK	OK	30 x 27	24	63	NA	OK	OK	OK	30 x 30
	30° to 37.5°	24	66	NA	OK	OK	OK	33 x 30	24	72	NA	NA	OK	OK	36 x 33
	37.5° to 45°	24	72	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

140 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	36	OK	OK	OK	OK	21 x 18	24	39	OK	OK	OK	OK	21 x 18
	15° to 22.5°	24	48	OK	OK	OK	OK	24 x 24	24	51	OK	OK	OK	OK	27 x 24
	22.5° to 30°	24	60	NA	OK	OK	OK	30 x 30	24	66	NA	OK	OK	OK	33 x 30
	30° to 37.5°	24	69	NA	OK	OK	OK	33 x 33	24	75	NA	NA	OK	OK	36 x 36
	37.5° to 45°	24	72	NA	OK	OK	OK	36 x 36	24	78	NA	NA	OK	OK	39 x 39

130 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	130 psf Ground Snow Load 3-Module Configurations
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150 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	39	OK	OK	OK	OK	21 x 21	24	39	OK	OK	OK	OK	21 x 21
	15° to 22.5°	24	51	NA	OK	OK	OK	27 x 24	24	54	NA	OK	OK	OK	27 x 27
	22.5° to 30°	24	63	NA	OK	OK	OK	33 x 30	24	66	NA	OK	OK	OK	33 x 33
	30° to 37.5°	24	72	NA	NA	OK	OK	36 x 36	24	75	NA	NA	OK	OK	39 x 36
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

160 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	42	OK	OK	OK	OK	21 x 21	24	42	OK	OK	OK	OK	21 x 21
	15° to 22.5°	24	54	NA	OK	OK	OK	27 x 27	24	54	NA	OK	OK	OK	27 x 27
	22.5° to 30°	24	66	NA	OK	OK	OK	33 x 33	24	69	NA	NA	OK	OK	33 x 33
	30° to 37.5°	24	75	NA	NA	OK	OK	36 x 36	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

170 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 15	24	27	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	42	OK	OK	OK	OK	24 x 21	24	42	OK	OK	OK	OK	24 x 21
	15° to 22.5°	24	57	NA	OK	OK	OK	30 x 27	24	57	NA	OK	OK	OK	30 x 27
	22.5° to 30°	24	69	NA	NA	OK	OK	36 x 33	24	69	NA	NA	OK	OK	36 x 33
	30° to 37.5°	24	75	NA	NA	OK	OK	39 x 36	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

140 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	140 psf Ground Snow Load 3-Module Configurations
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90 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Post Span (PS, in)	Required Braces			Max Post Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	50	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		54	YES	YES	YES	4	4
	7.5° to 15°	51	YES			55	YES			4	4
	15° to 22.5°	55	YES			67	YES			3	4
	22.5° to 30°	60	YES			78	YES			3	3
	30° to 37.5°	66	YES			93	YES			2	3
	37.5° to 45°	73	YES			116	YES*			2	2

95 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	50	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		54	YES	YES	YES	4	4
	7.5° to 15°	51	YES			55	YES			4	4
	15° to 22.5°	55	YES			67	YES			3	4
	22.5° to 30°	59	YES			76	YES			3	3
	30° to 37.5°	64	YES			89	YES			3	3
	37.5° to 45°	71	YES			111	YES*			2	2

100 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	50	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		54	YES	YES	YES	4	4
	7.5° to 15°	51	YES			55	YES			4	4
	15° to 22.5°	55	YES			66	YES			3	4
	22.5° to 30°	58	YES			73	YES			3	3
	30° to 37.5°	63	YES			86	YES			3	3
	37.5° to 45°	70	YES			105	YES*			2	2

105 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	50	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		54	YES	YES	YES	4	4
	7.5° to 15°	51	YES			55	YES			4	4
	15° to 22.5°	54	YES			64	YES			3	4
	22.5° to 30°	57	YES			71	YES			3	3
	30° to 37.5°	62	YES			83	YES			3	3
	37.5° to 45°	68	YES			101	YES*			2	3

110 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	50	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		54	YES	YES	YES	4	4
	7.5° to 15°	51	YES			55	YES			4	4
	15° to 22.5°	54	YES			62	YES			3	4
	22.5° to 30°	56	YES			69	YES			3	3
	30° to 37.5°	60	YES			79	YES			3	3
	37.5° to 45°	67	YES*			95	YES*			2	3

120 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	50	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		54	YES	YES	YES	4	4
	7.5° to 15°	50	YES			55	YES			4	4
	15° to 22.5°	52	YES			59	YES			4	4
	22.5° to 30°	54	YES			64	YES			3	4
	30° to 37.5°	58	YES			73	YES*			3	3
	37.5° to 45°	63	YES*			80	YES*			3	3

140 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	140 psf Ground Snow Load 3-Module Configurations
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130 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	50	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		54	YES	YES	YES	4	4
	7.5° to 15°	49	YES			53	YES			4	4
	15° to 22.5°	51	YES			56	YES			4	4
	22.5° to 30°	52	YES			60	YES			3	4
	30° to 37.5°	56	YES			67	YES*			3	3
	37.5° to 45°	55	YES*			68	YES*			3	3

140 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	50	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		54	YES	YES	YES	4	4
	7.5° to 15°	48	YES			50	YES			4	5
	15° to 22.5°	49	YES			53	YES			4	4
	22.5° to 30°	51	YES			56	YES			4	4
	30° to 37.5°	54	YES*			62	YES*			3	4
	37.5° to 45°	48	YES*			58	YES*			3	3

150 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	50	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		53	YES	YES	YES	4	4
	7.5° to 15°	47	YES			48	YES			4	5
	15° to 22.5°	48	YES			50	YES			4	4
	22.5° to 30°	49	YES			52	YES			4	4
	30° to 37.5°	51	YES*			57	YES*			4	4
	37.5° to 45°	41	YES*			51	YES*			3	4

160 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	49	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		52	YES	YES	YES	4	4
	7.5° to 15°	46	YES			46	YES			4	5
	15° to 22.5°	47	YES			47	YES			4	5
	22.5° to 30°	47	YES*			48	YES*			4	5
	30° to 37.5°	49	YES*			53	YES*			4	4
	37.5° to 45°	36	YES*			45	YES*			3	4

170 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	48	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		50	YES	YES	YES	4	5
	7.5° to 15°	45	YES			44	YES			5	5
	15° to 22.5°	45	YES			45	YES			5	5
	22.5° to 30°	46	YES*			45	YES*			4	5
	30° to 37.5°	44	YES*			49	YES*			4	5
	37.5° to 45°	32	YES*			40	YES*			4	4

140 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	140 psf Ground Snow Load 3-Module Configurations
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90 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	27	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	33	OK	OK	OK	OK	18 x 15	24	36	OK	OK	OK	OK	18 x 18
	22.5° to 30°	24	42	OK	OK	OK	OK	21 x 21	24	48	OK	OK	OK	OK	24 x 24
	30° to 37.5°	24	51	OK	OK	OK	OK	24 x 24	24	57	OK	OK	OK	OK	30 x 27
	37.5° to 45°	24	57	OK	OK	OK	OK	30 x 27	24	72	NA	OK	OK	OK	36 x 33

95 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	27	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	36	OK	OK	OK	OK	18 x 18	24	39	OK	OK	OK	OK	21 x 18
	22.5° to 30°	24	45	OK	OK	OK	OK	24 x 21	24	51	OK	OK	OK	OK	24 x 24
	30° to 37.5°	24	51	OK	OK	OK	OK	27 x 24	24	60	OK	OK	OK	OK	30 x 30
	37.5° to 45°	24	60	OK	OK	OK	OK	30 x 27	24	72	NA	OK	OK	OK	36 x 36

100 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	27	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	36	OK	OK	OK	OK	18 x 18	24	42	OK	OK	OK	OK	21 x 18
	22.5° to 30°	24	48	OK	OK	OK	OK	24 x 21	24	54	OK	OK	OK	OK	27 x 24
	30° to 37.5°	24	54	OK	OK	OK	OK	27 x 24	24	63	NA	OK	OK	OK	30 x 30
	37.5° to 45°	24	63	OK	OK	OK	OK	30 x 30	24	75	NA	NA	OK	OK	39 x 36

105 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	30	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	39	OK	OK	OK	OK	21 x 18	24	42	OK	OK	OK	OK	21 x 21
	22.5° to 30°	24	48	OK	OK	OK	OK	24 x 24	24	54	OK	OK	OK	OK	27 x 27
	30° to 37.5°	24	57	OK	OK	OK	OK	27 x 27	24	63	NA	OK	OK	OK	33 x 30
	37.5° to 45°	24	63	OK	OK	OK	OK	33 x 30	24	78	NA	NA	OK	OK	39 x 39

140 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	140 psf Ground Snow Load 3-Module Configurations
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110 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	30	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 15
	15° to 22.5°	24	42	OK	OK	OK	OK	21 x 18	24	42	OK	OK	OK	OK	21 x 21
	22.5° to 30°	24	51	OK	OK	OK	OK	24 x 24	24	57	OK	OK	OK	OK	27 x 27
	30° to 37.5°	24	57	OK	OK	OK	OK	30 x 27	24	66	NA	OK	OK	OK	33 x 30
	37.5° to 45°	24	66	NA	OK	OK	OK	33 x 33	24	78	NA	NA	OK	OK	39 x 39

120 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	33	OK	OK	OK	OK	18 x 15	24	33	OK	OK	OK	OK	18 x 18
	15° to 22.5°	24	42	OK	OK	OK	OK	21 x 21	24	45	OK	OK	OK	OK	24 x 21
	22.5° to 30°	24	54	OK	OK	OK	OK	27 x 24	24	60	OK	OK	OK	OK	30 x 27
	30° to 37.5°	24	60	OK	OK	OK	OK	30 x 30	24	69	NA	OK	OK	OK	33 x 33
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

130 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	36	OK	OK	OK	OK	18 x 18	24	36	OK	OK	OK	OK	18 x 18
	15° to 22.5°	24	45	OK	OK	OK	OK	24 x 21	24	48	OK	OK	OK	OK	24 x 24
	22.5° to 30°	24	57	OK	OK	OK	OK	27 x 27	24	60	NA	OK	OK	OK	30 x 30
	30° to 37.5°	24	66	NA	OK	OK	OK	33 x 30	24	72	NA	OK	OK	OK	36 x 33
	37.5° to 45°	24	72	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

140 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	36	OK	OK	OK	OK	21 x 18	24	36	OK	OK	OK	OK	21 x 18
	15° to 22.5°	24	48	OK	OK	OK	OK	24 x 24	24	51	OK	OK	OK	OK	27 x 24
	22.5° to 30°	24	60	NA	OK	OK	OK	30 x 30	24	63	NA	OK	OK	OK	33 x 30
	30° to 37.5°	24	69	NA	OK	OK	OK	33 x 33	24	72	NA	NA	OK	OK	36 x 36
	37.5° to 45°	24	72	NA	OK	OK	OK	36 x 36	24	78	NA	NA	OK	OK	39 x 39

140 psf Ground Snow Load 3-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	140 psf Ground Snow Load 3-Module Configurations
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150 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	39	OK	OK	OK	OK	21 x 18	24	39	OK	OK	OK	OK	21 x 21
	15° to 22.5°	24	51	OK	OK	OK	OK	27 x 24	24	51	NA	OK	OK	OK	27 x 24
	22.5° to 30°	24	63	NA	OK	OK	OK	33 x 30	24	66	NA	OK	OK	OK	33 x 30
	30° to 37.5°	24	72	NA	NA	OK	OK	36 x 33	24	75	NA	NA	OK	OK	39 x 36
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

160 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	42	OK	OK	OK	OK	21 x 21	24	42	OK	OK	OK	OK	21 x 21
	15° to 22.5°	24	54	NA	OK	OK	OK	27 x 27	24	54	NA	OK	OK	OK	27 x 27
	22.5° to 30°	24	66	NA	OK	OK	OK	33 x 30	24	66	NA	OK	OK	OK	33 x 33
	30° to 37.5°	24	75	NA	NA	OK	OK	36 x 36	24	78	NA	NA	OK	OK	39 x 36
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

170 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		9-ft Long	18" Diameter		Silty Sand		Sandy Clay		9-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 15	24	27	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	42	OK	OK	OK	OK	24 x 21	24	42	OK	OK	OK	OK	24 x 21
	15° to 22.5°	24	54	NA	OK	OK	OK	27 x 27	24	54	NA	OK	OK	OK	27 x 27
	22.5° to 30°	24	69	NA	NA	OK	OK	36 x 33	24	69	NA	NA	OK	OK	33 x 33
	30° to 37.5°	24	75	NA	NA	OK	OK	39 x 36	24	78	NA	NA	OK	OK	39 x 39
	37.5° to 45°	24	69	NA	OK	OK	OK	36 x 33	24	78	NA	NA	OK	OK	39 x 39

0 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	0 psf Ground Snow Load 4-Module Configurations
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90 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Post Span (PS, in)	Required Braces			Max Post Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	109	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		157	YES	YES	YES	2	2
	7.5° to 15°	93	YES			157	YES			2	2
	15° to 22.5°	85	YES			157	YES			2	2
	22.5° to 30°	79	YES			136	YES*			2	2
	30° to 37.5°	78	YES			131	YES*			2	2
	37.5° to 45°	78	YES*			111	YES*			2	2

95 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	104	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		157	YES	YES	YES	2	2
	7.5° to 15°	89	YES			157	YES			2	2
	15° to 22.5°	81	YES			143	YES			2	2
	22.5° to 30°	75	YES			123	YES*			2	3
	30° to 37.5°	74	YES			119	YES*			2	3
	37.5° to 45°	70	YES*			100	YES*			2	3

100 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	100	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		157	YES	YES	YES	2	2
	7.5° to 15°	85	YES			155	YES			2	2
	15° to 22.5°	78	YES			131	YES			2	2
	22.5° to 30°	72	YES			113	YES*			2	3
	30° to 37.5°	71	YES			109	YES*			2	3
	37.5° to 45°	63	YES*			90	YES*			3	3

105 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	96	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		157	YES	YES	YES	2	2
	7.5° to 15°	81	YES			143	YES			2	2
	15° to 22.5°	74	YES			120	YES			2	3
	22.5° to 30°	69	YES			103	YES*			3	3
	30° to 37.5°	68	YES			100	YES*			3	3
	37.5° to 45°	58	YES*			82	YES*			3	3

110 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	93	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		157	YES	YES	YES	2	2
	7.5° to 15°	78	YES			132	YES			2	2
	15° to 22.5°	71	YES			110	YES			2	3
	22.5° to 30°	66	YES			95	YES*			3	3
	30° to 37.5°	65	YES*			92	YES*			3	3
	37.5° to 45°	53	YES*			74	YES*			3	3

120 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	86	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		157	YES	YES	YES	2	2
	7.5° to 15°	72	YES			113	YES			2	3
	15° to 22.5°	66	YES			94	YES			3	3
	22.5° to 30°	61	YES			81	YES*			3	4
	30° to 37.5°	60	YES*			78	YES*			3	4
	37.5° to 45°	44	YES*			62	YES*			3	4

0 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	0 psf Ground Snow Load 4-Module Configurations
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130 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	80	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		140	YES	YES	YES	2	2
	7.5° to 15°	67	YES			98	YES			3	3
	15° to 22.5°	61	YES			81	YES			3	3
	22.5° to 30°	57	YES*			70	YES*			4	4
	30° to 37.5°	52	YES*			66	YES*			4	4
	37.5° to 45°	38	YES*			53	YES*			4	4

140 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	75	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		123	YES	YES	YES	2	2
	7.5° to 15°	63	YES			85	YES			3	3
	15° to 22.5°	57	YES			71	YES			4	4
	22.5° to 30°	53	YES*			60	YES*			4	5
	30° to 37.5°	45	YES*			57	YES*			4	5
	37.5° to 45°	33	YES*			46	YES*			4	5

150 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	71	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		109	YES	YES	YES	2	3
	7.5° to 15°	59	YES			75	YES			3	4
	15° to 22.5°	54	YES			62	YES			4	4
	22.5° to 30°	49	YES*			53	YES*			5	5
	30° to 37.5°	39	YES*			50	YES*			5	5
	37.5° to 45°	29	YES*			40	YES*			5	5

160 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	67	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		97	YES	YES	YES	3	3
	7.5° to 15°	55	YES			66	YES			4	4
	15° to 22.5°	50	YES			55	YES			4	5
	22.5° to 30°	46	YES*			47	YES*			5	6
	30° to 37.5°	34	YES*			43	YES*			5	6
	37.5° to 45°	25	YES*			35	YES*			5	6

170 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	63	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		87	YES	YES	YES	3	3
	7.5° to 15°	52	YES			59	YES			4	5
	15° to 22.5°	47	YES			48	YES			5	5
	22.5° to 30°	41	YES*			42	YES*			6	6
	30° to 37.5°	30	YES*			38	YES*			6	6
	37.5° to 45°	22	YES*			31	YES*			6	NA

0 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	0 psf Ground Snow Load 4-Module Configurations
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90 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 12	24	33	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	39	OK	OK	OK	OK	18 x 15	24	48	OK	OK	OK	OK	21 x 21
	15° to 22.5°	24	48	OK	OK	OK	OK	21 x 21	24	63	NA	OK	OK	OK	27 x 27
	22.5° to 30°	24	57	OK	OK	OK	OK	24 x 24	24	72	NA	NA	OK	OK	33 x 30
	30° to 37.5°	24	60	OK	OK	OK	OK	27 x 24	24	78	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	66	OK	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

95 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 12	24	33	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	39	OK	OK	OK	OK	18 x 18	24	51	NA	OK	OK	OK	24 x 21
	15° to 22.5°	24	48	OK	OK	OK	OK	21 x 21	24	63	NA	NA	OK	OK	27 x 27
	22.5° to 30°	24	57	OK	OK	OK	OK	24 x 24	24	72	NA	NA	OK	OK	33 x 30
	30° to 37.5°	24	63	OK	OK	OK	OK	27 x 27	24	78	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	66	OK	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

100 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 12	24	33	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	39	OK	OK	OK	OK	18 x 18	24	54	NA	OK	OK	OK	24 x 24
	15° to 22.5°	24	51	OK	OK	OK	OK	21 x 21	24	63	NA	NA	OK	OK	27 x 27
	22.5° to 30°	24	60	OK	OK	OK	OK	27 x 24	24	72	NA	NA	OK	OK	33 x 30
	30° to 37.5°	24	66	OK	OK	OK	OK	27 x 27	24	78	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	66	OK	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

105 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 12	24	33	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	42	OK	OK	OK	OK	18 x 18	24	54	NA	OK	OK	OK	24 x 24
	15° to 22.5°	24	51	OK	OK	OK	OK	24 x 21	24	63	NA	NA	OK	OK	30 x 27
	22.5° to 30°	24	60	OK	OK	OK	OK	27 x 24	24	75	NA	NA	OK	OK	33 x 30
	30° to 37.5°	24	66	NA	OK	OK	OK	27 x 27	24	81	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	69	OK	OK	OK	OK	30 x 27	24	81	NA	NA	OK	OK	33 x 33

0 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	0 psf Ground Snow Load 4-Module Configurations
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110 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 12	24	33	OK	OK	OK	OK	18 x 18
	7.5° to 15°	24	42	OK	OK	OK	OK	21 x 18	24	54	NA	OK	OK	OK	24 x 24
	15° to 22.5°	24	54	OK	OK	OK	OK	24 x 21	24	63	NA	NA	OK	OK	30 x 27
	22.5° to 30°	24	63	NA	OK	OK	OK	27 x 24	24	75	NA	NA	OK	OK	33 x 30
	30° to 37.5°	24	69	NA	OK	OK	OK	30 x 27	24	81	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

120 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 12	24	36	OK	OK	OK	OK	21 x 18
	7.5° to 15°	24	45	OK	OK	OK	OK	21 x 18	24	54	NA	OK	OK	OK	24 x 24
	15° to 22.5°	24	54	NA	OK	OK	OK	24 x 24	24	66	NA	NA	OK	OK	30 x 27
	22.5° to 30°	24	66	NA	OK	OK	OK	27 x 27	24	75	NA	NA	OK	OK	33 x 30
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	81	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	66	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

130 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	18 x 12	24	36	OK	OK	OK	OK	21 x 21
	7.5° to 15°	24	45	OK	OK	OK	OK	21 x 21	24	54	NA	OK	OK	OK	27 x 24
	15° to 22.5°	24	57	NA	OK	OK	OK	24 x 24	24	66	NA	NA	OK	OK	30 x 27
	22.5° to 30°	24	69	NA	OK	OK	OK	30 x 27	24	75	NA	NA	OK	OK	33 x 30
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	81	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

140 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	18 x 15	24	36	OK	OK	OK	OK	21 x 21
	7.5° to 15°	24	48	OK	OK	OK	OK	21 x 21	24	54	NA	OK	OK	OK	27 x 24
	15° to 22.5°	24	60	NA	OK	OK	OK	27 x 24	24	66	NA	NA	OK	OK	30 x 27
	22.5° to 30°	24	72	NA	NA	OK	OK	30 x 30	24	75	NA	NA	OK	OK	33 x 30
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	81	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

0 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	0 psf Ground Snow Load 4-Module Configurations
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150 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	18 x 15	24	39	OK	OK	OK	OK	21 x 21
	7.5° to 15°	24	48	NA	OK	OK	OK	24 x 21	24	54	NA	OK	OK	OK	27 x 24
	15° to 22.5°	24	60	NA	NA	OK	OK	27 x 27	24	66	NA	NA	OK	OK	30 x 27
	22.5° to 30°	24	72	NA	NA	OK	OK	30 x 30	24	75	NA	NA	OK	OK	33 x 30
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	81	NA	NA	OK	OK	36 x 33
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

160 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	33	OK	OK	OK	OK	18 x 18	24	39	OK	OK	OK	OK	21 x 21
	7.5° to 15°	24	51	NA	OK	OK	OK	24 x 24	24	54	NA	OK	OK	OK	27 x 24
	15° to 22.5°	24	63	NA	NA	OK	OK	27 x 27	24	66	NA	NA	OK	OK	30 x 27
	22.5° to 30°	24	75	NA	NA	OK	OK	33 x 30	24	75	NA	NA	OK	OK	33 x 30
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	81	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

170 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	33	OK	OK	OK	OK	18 x 18	24	39	NA	OK	OK	OK	21 x 21
	7.5° to 15°	24	51	NA	OK	OK	OK	24 x 24	24	54	NA	OK	OK	OK	27 x 24
	15° to 22.5°	24	66	NA	NA	OK	OK	30 x 27	24	66	NA	NA	OK	OK	30 x 27
	22.5° to 30°	24	75	NA	NA	OK	OK	33 x 30	24	75	NA	NA	OK	OK	33 x 30
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	78	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	66	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

10 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	10 psf Ground Snow Load 4-Module Configurations
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90 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Post Span (PS, in)	Required Braces			Max Post Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	98	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		157	YES	YES	YES	2	2
	7.5° to 15°	92	YES			157	YES			2	2
	15° to 22.5°	85	YES			157	YES			2	2
	22.5° to 30°	79	YES			136	YES*			2	2
	30° to 37.5°	78	YES			131	YES*			2	2
	37.5° to 45°	78	YES*			111	YES*			2	2

95 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	95	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay	157	YES	YES	YES	2	2	
	7.5° to 15°	89	YES		157	YES			2	2	
	15° to 22.5°	81	YES		143	YES			2	2	
	22.5° to 30°	75	YES		123	YES*			2	3	
	30° to 37.5°	74	YES		119	YES*			2	3	
	37.5° to 45°	70	YES*		100	YES*			2	3	

100 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	93	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		157	YES	YES	YES	2	2
	7.5° to 15°	85	YES			155	YES			2	2
	15° to 22.5°	78	YES			131	YES			2	2
	22.5° to 30°	72	YES			113	YES*			2	3
	30° to 37.5°	71	YES			109	YES*			2	3
	37.5° to 45°	63	YES*			90	YES*			3	3

105 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	90	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay	157	YES	YES	YES	2	2	
	7.5° to 15°	81	YES		143	YES			2	2	
	15° to 22.5°	74	YES		120	YES			2	3	
	22.5° to 30°	69	YES		103	YES*			3	3	
	30° to 37.5°	68	YES		100	YES*			3	3	
	37.5° to 45°	58	YES*		82	YES*			3	3	

110 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	88	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay	157	YES	YES	YES	2	2	
	7.5° to 15°	78	YES		132	YES			2	2	
	15° to 22.5°	71	YES		110	YES			2	3	
	22.5° to 30°	66	YES		95	YES*			3	3	
	30° to 37.5°	65	YES*		92	YES*			3	3	
	37.5° to 45°	53	YES*		74	YES*			3	3	

120 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	84	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay	152	YES	YES	YES	2	2	
	7.5° to 15°	72	YES		113	YES			2	3	
	15° to 22.5°	66	YES		94	YES			3	3	
	22.5° to 30°	61	YES		81	YES*			3	4	
	30° to 37.5°	60	YES*		78	YES*			3	4	
	37.5° to 45°	44	YES*		62	YES*			3	4	

10 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	10 psf Ground Snow Load 4-Module Configurations
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130 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	80	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		138	YES	YES	YES	2	2
	7.5° to 15°	67	YES			98	YES			3	3
	15° to 22.5°	61	YES			81	YES			3	3
	22.5° to 30°	57	YES*			70	YES*			4	4
	30° to 37.5°	52	YES*			66	YES*			4	4
	37.5° to 45°	38	YES*			53	YES*			4	4

140 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	75	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		123	YES	YES	YES	2	2
	7.5° to 15°	63	YES			85	YES			3	3
	15° to 22.5°	57	YES			71	YES			4	4
	22.5° to 30°	53	YES*			60	YES*			4	5
	30° to 37.5°	45	YES*			57	YES*			4	5
	37.5° to 45°	33	YES*			46	YES*			4	5

150 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	71	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		109	YES	YES	YES	2	3
	7.5° to 15°	59	YES			75	YES			3	4
	15° to 22.5°	54	YES			62	YES			4	4
	22.5° to 30°	49	YES*			53	YES*			5	5
	30° to 37.5°	39	YES*			50	YES*			5	5
	37.5° to 45°	29	YES*			40	YES*			5	5

160 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	67	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		97	YES	YES	YES	3	3
	7.5° to 15°	55	YES			66	YES			4	4
	15° to 22.5°	50	YES			55	YES			4	5
	22.5° to 30°	46	YES*			47	YES*			5	6
	30° to 37.5°	34	YES*			43	YES*			5	6
	37.5° to 45°	25	YES*			35	YES*			5	6

170 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	63	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		87	YES	YES	YES	3	3
	7.5° to 15°	52	YES			59	YES			4	5
	15° to 22.5°	47	YES			48	YES			5	5
	22.5° to 30°	41	YES*			42	YES*			6	6
	30° to 37.5°	30	YES*			38	YES*			6	6
	37.5° to 45°	22	YES*			31	YES*			6	NA

10 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	10 psf Ground Snow Load 4-Module Configurations
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90 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 12	24	33	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	39	OK	OK	OK	OK	18 x 15	24	48	OK	OK	OK	OK	21 x 21
	15° to 22.5°	24	48	OK	OK	OK	OK	21 x 21	24	63	NA	OK	OK	OK	27 x 27
	22.5° to 30°	24	57	OK	OK	OK	OK	24 x 24	24	72	NA	NA	OK	OK	33 x 30
	30° to 37.5°	24	60	OK	OK	OK	OK	27 x 24	24	78	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	66	OK	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

95 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 12	24	33	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	39	OK	OK	OK	OK	18 x 18	24	51	NA	OK	OK	OK	24 x 21
	15° to 22.5°	24	48	OK	OK	OK	OK	21 x 21	24	63	NA	NA	OK	OK	27 x 27
	22.5° to 30°	24	57	OK	OK	OK	OK	24 x 24	24	72	NA	NA	OK	OK	33 x 30
	30° to 37.5°	24	63	OK	OK	OK	OK	27 x 27	24	78	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	66	OK	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

100 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	33	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	39	OK	OK	OK	OK	18 x 18	24	54	NA	OK	OK	OK	24 x 24
	15° to 22.5°	24	51	OK	OK	OK	OK	21 x 21	24	63	NA	NA	OK	OK	27 x 27
	22.5° to 30°	24	60	OK	OK	OK	OK	27 x 24	24	72	NA	NA	OK	OK	33 x 30
	30° to 37.5°	24	66	OK	OK	OK	OK	27 x 27	24	78	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	66	OK	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

105 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	33	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	42	OK	OK	OK	OK	18 x 18	24	54	NA	OK	OK	OK	24 x 24
	15° to 22.5°	24	51	OK	OK	OK	OK	24 x 21	24	63	NA	NA	OK	OK	30 x 27
	22.5° to 30°	24	60	OK	OK	OK	OK	27 x 24	24	75	NA	NA	OK	OK	33 x 30
	30° to 37.5°	24	66	NA	OK	OK	OK	27 x 27	24	81	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	69	OK	OK	OK	OK	30 x 27	24	81	NA	NA	OK	OK	33 x 33

10 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	10 psf Ground Snow Load 4-Module Configurations
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110 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 12	24	33	OK	OK	OK	OK	18 x 18
	7.5° to 15°	24	42	OK	OK	OK	OK	21 x 18	24	54	NA	OK	OK	OK	24 x 24
	15° to 22.5°	24	54	OK	OK	OK	OK	24 x 21	24	63	NA	NA	OK	OK	30 x 27
	22.5° to 30°	24	63	NA	OK	OK	OK	27 x 24	24	75	NA	NA	OK	OK	33 x 30
	30° to 37.5°	24	69	NA	OK	OK	OK	30 x 27	24	81	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

120 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 12	24	36	OK	OK	OK	OK	21 x 18
	7.5° to 15°	24	45	OK	OK	OK	OK	21 x 18	24	54	NA	OK	OK	OK	24 x 24
	15° to 22.5°	24	54	NA	OK	OK	OK	24 x 24	24	66	NA	NA	OK	OK	30 x 27
	22.5° to 30°	24	66	NA	OK	OK	OK	27 x 27	24	75	NA	NA	OK	OK	33 x 30
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	81	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	66	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

130 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	18 x 12	24	36	OK	OK	OK	OK	21 x 18
	7.5° to 15°	24	45	OK	OK	OK	OK	21 x 21	24	54	NA	OK	OK	OK	27 x 24
	15° to 22.5°	24	57	NA	OK	OK	OK	24 x 24	24	66	NA	NA	OK	OK	30 x 27
	22.5° to 30°	24	69	NA	OK	OK	OK	30 x 27	24	75	NA	NA	OK	OK	33 x 30
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	81	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

140 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	18 x 15	24	36	OK	OK	OK	OK	21 x 21
	7.5° to 15°	24	48	OK	OK	OK	OK	21 x 21	24	54	NA	OK	OK	OK	27 x 24
	15° to 22.5°	24	60	NA	OK	OK	OK	27 x 24	24	66	NA	NA	OK	OK	30 x 27
	22.5° to 30°	24	72	NA	NA	OK	OK	30 x 30	24	75	NA	NA	OK	OK	33 x 30
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	81	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

10 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	10 psf Ground Snow Load 4-Module Configurations
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150 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	18 x 15	24	39	OK	OK	OK	OK	21 x 21
	7.5° to 15°	24	48	NA	OK	OK	OK	24 x 21	24	54	NA	OK	OK	OK	27 x 24
	15° to 22.5°	24	60	NA	NA	OK	OK	27 x 27	24	66	NA	NA	OK	OK	30 x 27
	22.5° to 30°	24	72	NA	NA	OK	OK	30 x 30	24	75	NA	NA	OK	OK	33 x 30
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	81	NA	NA	OK	OK	36 x 33
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

160 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	33	OK	OK	OK	OK	18 x 18	24	39	OK	OK	OK	OK	21 x 21
	7.5° to 15°	24	51	NA	OK	OK	OK	24 x 24	24	54	NA	OK	OK	OK	27 x 24
	15° to 22.5°	24	63	NA	NA	OK	OK	27 x 27	24	66	NA	NA	OK	OK	30 x 27
	22.5° to 30°	24	75	NA	NA	OK	OK	33 x 30	24	75	NA	NA	OK	OK	33 x 30
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	81	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

170 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	33	OK	OK	OK	OK	18 x 18	24	39	NA	OK	OK	OK	21 x 21
	7.5° to 15°	24	51	NA	OK	OK	OK	24 x 24	24	54	NA	OK	OK	OK	27 x 24
	15° to 22.5°	24	66	NA	NA	OK	OK	30 x 27	24	66	NA	NA	OK	OK	30 x 27
	22.5° to 30°	24	75	NA	NA	OK	OK	33 x 30	24	75	NA	NA	OK	OK	33 x 30
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	78	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	66	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

20 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	20 psf Ground Snow Load 4-Module Configurations
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90 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Post Span (PS, in)	Required Braces			Max Post Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	84	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		153	YES	YES	YES	2	2
	7.5° to 15°	83	YES			148	YES			2	2
	15° to 22.5°	81	YES			141	YES			2	2
	22.5° to 30°	79	YES			136	YES*			2	2
	30° to 37.5°	78	YES			131	YES*			2	2
	37.5° to 45°	78	YES*			111	YES*			2	2

95 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	83	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		147	YES	YES	YES	2	2
	7.5° to 15°	80	YES			140	YES			2	2
	15° to 22.5°	78	YES			133	YES			2	2
	22.5° to 30°	75	YES			123	YES*			2	3
	30° to 37.5°	74	YES			119	YES*			2	3
	37.5° to 45°	70	YES*			100	YES*			2	3

100 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	81	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		142	YES	YES	YES	2	2
	7.5° to 15°	78	YES			133	YES			2	3
	15° to 22.5°	76	YES			125	YES			2	3
	22.5° to 30°	72	YES			113	YES*			2	3
	30° to 37.5°	71	YES			109	YES*			2	3
	37.5° to 45°	63	YES*			90	YES*			3	3

105 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	79	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		136	YES	YES	YES	2	2
	7.5° to 15°	76	YES			126	YES			2	3
	15° to 22.5°	74	YES			117	YES			2	3
	22.5° to 30°	69	YES			103	YES*			3	3
	30° to 37.5°	68	YES			100	YES*			3	3
	37.5° to 45°	58	YES*			82	YES*			3	3

110 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	78	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		131	YES	YES	YES	2	2
	7.5° to 15°	74	YES			119	YES			2	3
	15° to 22.5°	71	YES			110	YES			3	3
	22.5° to 30°	66	YES			95	YES*			3	3
	30° to 37.5°	65	YES*			92	YES*			3	3
	37.5° to 45°	53	YES*			74	YES*			3	3

120 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	75	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		121	YES	YES	YES	2	3
	7.5° to 15°	70	YES			107	YES			3	3
	15° to 22.5°	66	YES			94	YES			3	3
	22.5° to 30°	61	YES			81	YES*			3	4
	30° to 37.5°	60	YES*			78	YES*			3	4
	37.5° to 45°	44	YES*			62	YES*			3	4

20 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	20 psf Ground Snow Load 4-Module Configurations
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130 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	72	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay	112	YES	YES	YES	2	3	
	7.5° to 15°	67	YES		96	YES			3	3	
	15° to 22.5°	61	YES		81	YES			3	3	
	22.5° to 30°	57	YES*		70	YES*			4	4	
	30° to 37.5°	52	YES*		66	YES*			4	4	
	37.5° to 45°	38	YES*		53	YES*			4	4	

140 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	69	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay	103	YES	YES	YES	3	3	
	7.5° to 15°	63	YES		85	YES			3	3	
	15° to 22.5°	57	YES		71	YES			4	4	
	22.5° to 30°	53	YES*		60	YES*			4	5	
	30° to 37.5°	45	YES*		57	YES*			4	5	
	37.5° to 45°	33	YES*		46	YES*			4	5	

150 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	66	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		95	YES	YES	YES	3	3
	7.5° to 15°	59	YES			75	YES			3	4
	15° to 22.5°	54	YES			62	YES			4	4
	22.5° to 30°	49	YES*			53	YES*			5	5
	30° to 37.5°	39	YES*			50	YES*			5	5
	37.5° to 45°	29	YES*			40	YES*			5	5

160 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	64	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay	88	YES	YES	YES	3	3	
	7.5° to 15°	55	YES		66	YES			4	4	
	15° to 22.5°	50	YES		55	YES			4	5	
	22.5° to 30°	46	YES*		47	YES*			5	6	
	30° to 37.5°	34	YES*		43	YES*			5	6	
	37.5° to 45°	25	YES*		35	YES*			5	6	

170 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	61	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay	82	YES	YES	YES	3	3	
	7.5° to 15°	52	YES		59	YES			4	5	
	15° to 22.5°	47	YES		48	YES			5	5	
	22.5° to 30°	41	YES*		42	YES*			6	6	
	30° to 37.5°	30	YES*		38	YES*			6	6	
	37.5° to 45°	22	YES*		31	YES*			6	NA	

20 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	20 psf Ground Snow Load 4-Module Configurations
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90 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	33	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	36	OK	OK	OK	OK	18 x 15	24	48	OK	OK	OK	OK	21 x 21
	15° to 22.5°	24	48	OK	OK	OK	OK	21 x 18	24	60	NA	OK	OK	OK	27 x 24
	22.5° to 30°	24	57	OK	OK	OK	OK	24 x 24	24	72	NA	NA	OK	OK	33 x 30
	30° to 37.5°	24	60	OK	OK	OK	OK	27 x 24	24	78	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	66	OK	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

95 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	36	OK	OK	OK	OK	18 x 15	24	48	OK	OK	OK	OK	21 x 21
	15° to 22.5°	24	48	OK	OK	OK	OK	21 x 21	24	60	NA	OK	OK	OK	27 x 27
	22.5° to 30°	24	57	OK	OK	OK	OK	24 x 24	24	72	NA	NA	OK	OK	33 x 30
	30° to 37.5°	24	63	OK	OK	OK	OK	27 x 27	24	78	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	66	OK	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

100 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	39	OK	OK	OK	OK	18 x 15	24	48	OK	OK	OK	OK	24 x 21
	15° to 22.5°	24	48	OK	OK	OK	OK	21 x 21	24	63	NA	OK	OK	OK	27 x 27
	22.5° to 30°	24	60	OK	OK	OK	OK	27 x 24	24	72	NA	NA	OK	OK	33 x 30
	30° to 37.5°	24	66	OK	OK	OK	OK	27 x 27	24	78	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	66	OK	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

105 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	39	OK	OK	OK	OK	18 x 18	24	51	NA	OK	OK	OK	24 x 21
	15° to 22.5°	24	51	OK	OK	OK	OK	24 x 21	24	63	NA	NA	OK	OK	27 x 27
	22.5° to 30°	24	60	OK	OK	OK	OK	27 x 24	24	75	NA	NA	OK	OK	33 x 30
	30° to 37.5°	24	66	NA	OK	OK	OK	27 x 27	24	81	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	69	OK	OK	OK	OK	30 x 27	24	81	NA	NA	OK	OK	33 x 33

20 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	20 psf Ground Snow Load 4-Module Configurations
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110 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	42	OK	OK	OK	OK	18 x 18	24	51	NA	OK	OK	OK	24 x 21
	15° to 22.5°	24	54	OK	OK	OK	OK	24 x 21	24	63	NA	NA	OK	OK	30 x 27
	22.5° to 30°	24	63	NA	OK	OK	OK	27 x 24	24	75	NA	NA	OK	OK	33 x 30
	30° to 37.5°	24	69	NA	OK	OK	OK	30 x 27	24	81	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

120 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 12	24	33	OK	OK	OK	OK	18 x 18
	7.5° to 15°	24	42	OK	OK	OK	OK	21 x 18	24	54	NA	OK	OK	OK	24 x 24
	15° to 22.5°	24	54	NA	OK	OK	OK	24 x 24	24	66	NA	NA	OK	OK	30 x 27
	22.5° to 30°	24	66	NA	OK	OK	OK	27 x 27	24	75	NA	NA	OK	OK	33 x 30
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	81	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	66	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

130 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 12	24	33	OK	OK	OK	OK	18 x 18
	7.5° to 15°	24	45	OK	OK	OK	OK	21 x 21	24	54	NA	OK	OK	OK	24 x 24
	15° to 22.5°	24	57	NA	OK	OK	OK	24 x 24	24	66	NA	NA	OK	OK	30 x 27
	22.5° to 30°	24	69	NA	OK	OK	OK	30 x 27	24	75	NA	NA	OK	OK	33 x 30
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	81	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

140 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	18 x 15	24	36	OK	OK	OK	OK	21 x 18
	7.5° to 15°	24	48	OK	OK	OK	OK	21 x 21	24	54	NA	OK	OK	OK	27 x 24
	15° to 22.5°	24	60	NA	OK	OK	OK	27 x 24	24	66	NA	NA	OK	OK	30 x 27
	22.5° to 30°	24	72	NA	NA	OK	OK	30 x 30	24	75	NA	NA	OK	OK	33 x 30
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	81	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

20 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	20 psf Ground Snow Load 4-Module Configurations
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150 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	18 x 15	24	36	OK	OK	OK	OK	21 x 18
	7.5° to 15°	24	48	NA	OK	OK	OK	24 x 21	24	54	NA	OK	OK	OK	27 x 24
	15° to 22.5°	24	60	NA	NA	OK	OK	27 x 27	24	66	NA	NA	OK	OK	30 x 27
	22.5° to 30°	24	72	NA	NA	OK	OK	30 x 30	24	75	NA	NA	OK	OK	33 x 30
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	81	NA	NA	OK	OK	36 x 33
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

160 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	33	OK	OK	OK	OK	18 x 15	24	36	OK	OK	OK	OK	21 x 18
	7.5° to 15°	24	51	NA	OK	OK	OK	24 x 24	24	54	NA	OK	OK	OK	27 x 24
	15° to 22.5°	24	63	NA	NA	OK	OK	27 x 27	24	66	NA	NA	OK	OK	30 x 27
	22.5° to 30°	24	75	NA	NA	OK	OK	33 x 30	24	75	NA	NA	OK	OK	33 x 30
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	81	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

170 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	33	OK	OK	OK	OK	18 x 18	24	36	OK	OK	OK	OK	21 x 21
	7.5° to 15°	24	51	NA	OK	OK	OK	24 x 24	24	54	NA	OK	OK	OK	27 x 24
	15° to 22.5°	24	66	NA	NA	OK	OK	30 x 27	24	66	NA	NA	OK	OK	30 x 27
	22.5° to 30°	24	75	NA	NA	OK	OK	33 x 30	24	75	NA	NA	OK	OK	33 x 30
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	78	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	66	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

30 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	30 psf Ground Snow Load 4-Module Configurations
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90 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Post Span (PS, in)	Required Braces			Max Post Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	79	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		136	YES	YES	YES	2	2
	7.5° to 15°	76	YES			125	YES			2	3
	15° to 22.5°	76	YES			124	YES			2	3
	22.5° to 30°	75	YES			122	YES*			2	3
	30° to 37.5°	77	YES			129	YES*			2	2
	37.5° to 45°	78	YES*			111	YES*			2	2

95 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	78	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		131	YES	YES	YES	2	3
	7.5° to 15°	74	YES			119	YES			3	3
	15° to 22.5°	73	YES			117	YES			3	3
	22.5° to 30°	73	YES			114	YES*			3	3
	30° to 37.5°	74	YES			119	YES*			2	3
	37.5° to 45°	70	YES*			100	YES*			2	3

100 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	76	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		127	YES	YES	YES	2	3
	7.5° to 15°	73	YES			114	YES			3	3
	15° to 22.5°	71	YES			110	YES			3	3
	22.5° to 30°	70	YES			107	YES*			3	3
	30° to 37.5°	71	YES			109	YES*			3	3
	37.5° to 45°	63	YES*			90	YES*			3	3

105 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	75	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		122	YES	YES	YES	2	3
	7.5° to 15°	71	YES			109	YES			3	3
	15° to 22.5°	69	YES			105	YES			3	3
	22.5° to 30°	68	YES			101	YES*			3	3
	30° to 37.5°	68	YES			100	YES*			3	3
	37.5° to 45°	58	YES*			82	YES*			3	3

110 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	74	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		118	YES	YES	YES	2	3
	7.5° to 15°	69	YES			104	YES			3	3
	15° to 22.5°	68	YES			99	YES			3	3
	22.5° to 30°	66	YES			95	YES*			3	3
	30° to 37.5°	65	YES*			92	YES*			3	3
	37.5° to 45°	53	YES*			74	YES*			3	3

120 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	71	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		110	YES	YES	YES	3	3
	7.5° to 15°	66	YES			94	YES			3	3
	15° to 22.5°	64	YES			89	YES			3	3
	22.5° to 30°	61	YES			81	YES*			3	4
	30° to 37.5°	60	YES*			78	YES*			3	4
	37.5° to 45°	44	YES*			62	YES*			3	4

30 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	30 psf Ground Snow Load 4-Module Configurations
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130 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	69	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay	102	YES	YES	YES	3	3	
	7.5° to 15°	63	YES		86	YES			3	4	
	15° to 22.5°	61	YES		80	YES			3	4	
	22.5° to 30°	57	YES*		70	YES*			4	4	
	30° to 37.5°	52	YES*		66	YES*			4	4	
	37.5° to 45°	38	YES*		53	YES*			4	4	

140 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	66	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay	95	YES	YES	YES	3	3	
	7.5° to 15°	60	YES		78	YES			3	4	
	15° to 22.5°	57	YES		71	YES			4	4	
	22.5° to 30°	53	YES*		60	YES*			4	5	
	30° to 37.5°	45	YES*		57	YES*			4	5	
	37.5° to 45°	33	YES*		46	YES*			4	5	

150 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	64	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		88	YES	YES	YES	3	3
	7.5° to 15°	58	YES			72	YES			4	4
	15° to 22.5°	54	YES			62	YES			4	4
	22.5° to 30°	49	YES*			53	YES*			5	5
	30° to 37.5°	39	YES*			50	YES*			5	5
	37.5° to 45°	29	YES*			40	YES*			5	5

160 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	62	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay	82	YES	YES	YES	3	3	
	7.5° to 15°	55	YES		66	YES			4	4	
	15° to 22.5°	50	YES		55	YES			4	5	
	22.5° to 30°	46	YES*		47	YES*			5	6	
	30° to 37.5°	34	YES*		43	YES*			5	6	
	37.5° to 45°	25	YES*		35	YES*			5	6	

170 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	59	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay	76	YES	YES	YES	3	4	
	7.5° to 15°	52	YES		59	YES			4	5	
	15° to 22.5°	47	YES		48	YES			5	5	
	22.5° to 30°	41	YES*		42	YES*			6	6	
	30° to 37.5°	30	YES*		38	YES*			6	6	
	37.5° to 45°	22	YES*		31	YES*			6	NA	

30 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	30 psf Ground Snow Load 4-Module Configurations
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90 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	36	OK	OK	OK	OK	18 x 12	24	42	OK	OK	OK	OK	21 x 18
	15° to 22.5°	24	45	OK	OK	OK	OK	21 x 18	24	57	NA	OK	OK	OK	24 x 24
	22.5° to 30°	24	54	OK	OK	OK	OK	24 x 21	24	69	NA	OK	OK	OK	30 x 27
	30° to 37.5°	24	60	OK	OK	OK	OK	27 x 24	24	78	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	66	OK	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

95 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	36	OK	OK	OK	OK	18 x 15	24	45	OK	OK	OK	OK	21 x 18
	15° to 22.5°	24	48	OK	OK	OK	OK	21 x 18	24	57	NA	OK	OK	OK	27 x 24
	22.5° to 30°	24	57	OK	OK	OK	OK	24 x 24	24	72	NA	OK	OK	OK	30 x 30
	30° to 37.5°	24	63	OK	OK	OK	OK	27 x 27	24	78	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	66	OK	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

100 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	36	OK	OK	OK	OK	18 x 15	24	45	OK	OK	OK	OK	21 x 21
	15° to 22.5°	24	48	OK	OK	OK	OK	21 x 21	24	60	NA	OK	OK	OK	27 x 24
	22.5° to 30°	24	60	OK	OK	OK	OK	24 x 24	24	72	NA	NA	OK	OK	30 x 30
	30° to 37.5°	24	66	OK	OK	OK	OK	27 x 27	24	78	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	66	OK	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

105 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	39	OK	OK	OK	OK	18 x 18	24	48	OK	OK	OK	OK	21 x 21
	15° to 22.5°	24	48	OK	OK	OK	OK	21 x 21	24	60	NA	OK	OK	OK	27 x 24
	22.5° to 30°	24	60	OK	OK	OK	OK	27 x 24	24	72	NA	NA	OK	OK	33 x 30
	30° to 37.5°	24	66	NA	OK	OK	OK	27 x 27	24	81	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	69	OK	OK	OK	OK	30 x 27	24	81	NA	NA	OK	OK	33 x 33

30 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	30 psf Ground Snow Load 4-Module Configurations
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110 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	39	OK	OK	OK	OK	18 x 18	24	48	OK	OK	OK	OK	21 x 21
	15° to 22.5°	24	51	OK	OK	OK	OK	24 x 21	24	60	NA	OK	OK	OK	27 x 27
	22.5° to 30°	24	63	NA	OK	OK	OK	27 x 24	24	75	NA	NA	OK	OK	33 x 30
	30° to 37.5°	24	69	NA	OK	OK	OK	30 x 27	24	81	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

120 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	42	OK	OK	OK	OK	21 x 18	24	48	NA	OK	OK	OK	24 x 21
	15° to 22.5°	24	54	NA	OK	OK	OK	24 x 24	24	63	NA	NA	OK	OK	27 x 27
	22.5° to 30°	24	66	NA	OK	OK	OK	27 x 27	24	75	NA	NA	OK	OK	33 x 30
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	81	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	66	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

130 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 12	24	33	OK	OK	OK	OK	18 x 18
	7.5° to 15°	24	45	OK	OK	OK	OK	21 x 18	24	51	NA	OK	OK	OK	24 x 24
	15° to 22.5°	24	57	NA	OK	OK	OK	24 x 24	24	66	NA	NA	OK	OK	30 x 27
	22.5° to 30°	24	69	NA	OK	OK	OK	30 x 27	24	75	NA	NA	OK	OK	33 x 30
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	81	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

140 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	18 x 12	24	33	OK	OK	OK	OK	18 x 18
	7.5° to 15°	24	48	OK	OK	OK	OK	21 x 21	24	54	NA	OK	OK	OK	24 x 24
	15° to 22.5°	24	60	NA	OK	OK	OK	27 x 24	24	66	NA	NA	OK	OK	30 x 27
	22.5° to 30°	24	72	NA	NA	OK	OK	30 x 30	24	75	NA	NA	OK	OK	33 x 30
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	81	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

30 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	30 psf Ground Snow Load 4-Module Configurations
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150 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	18 x 15	24	36	OK	OK	OK	OK	18 x 18
	7.5° to 15°	24	48	NA	OK	OK	OK	24 x 21	24	54	NA	OK	OK	OK	27 x 24
	15° to 22.5°	24	60	NA	NA	OK	OK	27 x 27	24	66	NA	NA	OK	OK	30 x 27
	22.5° to 30°	24	72	NA	NA	OK	OK	30 x 30	24	75	NA	NA	OK	OK	33 x 30
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	81	NA	NA	OK	OK	36 x 33
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

160 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	18 x 15	24	36	OK	OK	OK	OK	21 x 18
	7.5° to 15°	24	51	NA	OK	OK	OK	24 x 24	24	54	NA	OK	OK	OK	27 x 24
	15° to 22.5°	24	63	NA	NA	OK	OK	27 x 27	24	66	NA	NA	OK	OK	30 x 27
	22.5° to 30°	24	75	NA	NA	OK	OK	33 x 30	24	75	NA	NA	OK	OK	33 x 30
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	81	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

170 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	33	OK	OK	OK	OK	18 x 18	24	36	OK	OK	OK	OK	21 x 18
	7.5° to 15°	24	51	NA	OK	OK	OK	24 x 24	24	54	NA	OK	OK	OK	27 x 24
	15° to 22.5°	24	66	NA	NA	OK	OK	30 x 27	24	66	NA	NA	OK	OK	30 x 27
	22.5° to 30°	24	75	NA	NA	OK	OK	33 x 30	24	75	NA	NA	OK	OK	33 x 30
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	78	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	66	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

40 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	40 psf Ground Snow Load 4-Module Configurations
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90 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Post Span (PS, in)	Required Braces			Max Post Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	75	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		121	YES	YES	YES	3	3
	7.5° to 15°	71	YES			108	YES			3	3
	15° to 22.5°	71	YES			110	YES			3	3
	22.5° to 30°	72	YES			111	YES			3	3
	30° to 37.5°	74	YES			120	YES*			2	3
	37.5° to 45°	78	YES*			111	YES*			2	2

95 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	74	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		117	YES	YES	YES	3	3
	7.5° to 15°	69	YES			104	YES			3	3
	15° to 22.5°	69	YES			104	YES			3	3
	22.5° to 30°	70	YES			105	YES*			3	3
	30° to 37.5°	72	YES			112	YES*			3	3
	37.5° to 45°	70	YES*			100	YES*			2	3

100 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	73	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		114	YES	YES	YES	3	3
	7.5° to 15°	68	YES			100	YES			3	3
	15° to 22.5°	68	YES			99	YES			3	3
	22.5° to 30°	68	YES			99	YES*			3	3
	30° to 37.5°	70	YES			105	YES*			3	3
	37.5° to 45°	63	YES*			90	YES*			3	3

105 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	71	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		110	YES	YES	YES	3	3
	7.5° to 15°	66	YES			96	YES			3	3
	15° to 22.5°	66	YES			94	YES			3	3
	22.5° to 30°	66	YES			93	YES*			3	3
	30° to 37.5°	67	YES			98	YES*			3	3
	37.5° to 45°	58	YES*			82	YES*			3	3

110 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	70	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		107	YES	YES	YES	3	3
	7.5° to 15°	65	YES			92	YES			3	3
	15° to 22.5°	64	YES			90	YES			3	3
	22.5° to 30°	64	YES			88	YES*			3	3
	30° to 37.5°	65	YES*			92	YES*			3	3
	37.5° to 45°	53	YES*			74	YES*			3	3

120 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	68	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		100	YES	YES	YES	3	3
	7.5° to 15°	62	YES			84	YES			3	4
	15° to 22.5°	61	YES			81	YES			3	4
	22.5° to 30°	60	YES			78	YES*			3	4
	30° to 37.5°	60	YES*			78	YES*			3	4
	37.5° to 45°	44	YES*			62	YES*			3	4

40 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	40 psf Ground Snow Load 4-Module Configurations
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130 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	66	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		94	YES	YES	YES	3	3
	7.5° to 15°	60	YES			78	YES			4	4
	15° to 22.5°	58	YES			74	YES			4	4
	22.5° to 30°	57	YES*			70	YES*			4	4
	30° to 37.5°	52	YES*			66	YES*			4	4
	37.5° to 45°	38	YES*			53	YES*			4	4

140 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	64	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		88	YES	YES	YES	3	3
	7.5° to 15°	57	YES			71	YES			4	4
	15° to 22.5°	56	YES			67	YES			4	4
	22.5° to 30°	53	YES*			60	YES*			4	5
	30° to 37.5°	45	YES*			57	YES*			4	5
	37.5° to 45°	33	YES*			46	YES*			4	5

150 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	61	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		82	YES	YES	YES	3	3
	7.5° to 15°	55	YES			66	YES			4	4
	15° to 22.5°	53	YES			61	YES			4	5
	22.5° to 30°	49	YES*			53	YES*			5	5
	30° to 37.5°	39	YES*			50	YES*			5	5
	37.5° to 45°	29	YES*			40	YES*			5	5

160 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	59	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		76	YES	YES	YES	3	4
	7.5° to 15°	53	YES			61	YES			4	5
	15° to 22.5°	50	YES			55	YES			5	5
	22.5° to 30°	46	YES*			47	YES*			5	6
	30° to 37.5°	34	YES*			43	YES*			5	6
	37.5° to 45°	25	YES*			35	YES*			5	6

170 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	57	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		71	YES	YES	YES	3	4
	7.5° to 15°	51	YES			56	YES			5	5
	15° to 22.5°	47	YES			48	YES			5	5
	22.5° to 30°	41	YES*			42	YES*			6	6
	30° to 37.5°	30	YES*			38	YES*			6	6
	37.5° to 45°	22	YES*			31	YES*			6	NA

40 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	40 psf Ground Snow Load 4-Module Configurations
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90 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	33	OK	OK	OK	OK	18 x 12	24	42	OK	OK	OK	OK	18 x 18
	15° to 22.5°	24	45	OK	OK	OK	OK	18 x 18	24	54	OK	OK	OK	OK	24 x 21
	22.5° to 30°	24	54	OK	OK	OK	OK	24 x 21	24	66	NA	OK	OK	OK	30 x 27
	30° to 37.5°	24	60	OK	OK	OK	OK	27 x 24	24	75	NA	OK	OK	OK	33 x 30
	37.5° to 45°	24	66	OK	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

95 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	36	OK	OK	OK	OK	18 x 12	24	42	OK	OK	OK	OK	18 x 18
	15° to 22.5°	24	45	OK	OK	OK	OK	21 x 18	24	54	NA	OK	OK	OK	24 x 24
	22.5° to 30°	24	57	OK	OK	OK	OK	24 x 24	24	69	NA	OK	OK	OK	30 x 27
	30° to 37.5°	24	63	OK	OK	OK	OK	27 x 24	24	78	NA	NA	OK	OK	33 x 30
	37.5° to 45°	24	66	OK	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

100 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	36	OK	OK	OK	OK	18 x 15	24	42	OK	OK	OK	OK	21 x 18
	15° to 22.5°	24	48	OK	OK	OK	OK	21 x 18	24	57	NA	OK	OK	OK	24 x 24
	22.5° to 30°	24	57	OK	OK	OK	OK	24 x 24	24	69	NA	OK	OK	OK	30 x 27
	30° to 37.5°	24	66	OK	OK	OK	OK	27 x 27	24	78	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	66	OK	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

105 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	36	OK	OK	OK	OK	18 x 15	24	45	OK	OK	OK	OK	21 x 18
	15° to 22.5°	24	48	OK	OK	OK	OK	21 x 21	24	57	NA	OK	OK	OK	24 x 24
	22.5° to 30°	24	60	OK	OK	OK	OK	27 x 24	24	69	NA	OK	OK	OK	30 x 30
	30° to 37.5°	24	66	NA	OK	OK	OK	27 x 27	24	78	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	69	OK	OK	OK	OK	30 x 27	24	81	NA	NA	OK	OK	33 x 33

40 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	40 psf Ground Snow Load 4-Module Configurations
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110 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	39	OK	OK	OK	OK	18 x 18	24	45	OK	OK	OK	OK	21 x 21
	15° to 22.5°	24	51	OK	OK	OK	OK	21 x 21	24	60	NA	OK	OK	OK	27 x 24
	22.5° to 30°	24	60	NA	OK	OK	OK	27 x 24	24	72	NA	NA	OK	OK	30 x 30
	30° to 37.5°	24	69	NA	OK	OK	OK	30 x 27	24	81	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

120 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	42	OK	OK	OK	OK	18 x 18	24	48	OK	OK	OK	OK	21 x 21
	15° to 22.5°	24	54	OK	OK	OK	OK	24 x 21	24	60	NA	OK	OK	OK	27 x 24
	22.5° to 30°	24	66	NA	OK	OK	OK	27 x 27	24	72	NA	NA	OK	OK	33 x 30
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	81	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	66	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

130 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	42	OK	OK	OK	OK	21 x 18	24	48	NA	OK	OK	OK	24 x 21
	15° to 22.5°	24	57	NA	OK	OK	OK	24 x 24	24	63	NA	NA	OK	OK	27 x 27
	22.5° to 30°	24	69	NA	OK	OK	OK	30 x 27	24	75	NA	NA	OK	OK	33 x 30
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	81	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

140 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 12	24	33	OK	OK	OK	OK	18 x 18
	7.5° to 15°	24	45	OK	OK	OK	OK	21 x 21	24	51	NA	OK	OK	OK	24 x 21
	15° to 22.5°	24	60	NA	OK	OK	OK	27 x 24	24	63	NA	NA	OK	OK	30 x 27
	22.5° to 30°	24	72	NA	NA	OK	OK	30 x 30	24	75	NA	NA	OK	OK	33 x 30
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	81	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

40 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	40 psf Ground Snow Load 4-Module Configurations
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150 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	18 x 15	24	33	OK	OK	OK	OK	18 x 18
	7.5° to 15°	24	48	OK	OK	OK	OK	24 x 21	24	51	NA	OK	OK	OK	24 x 24
	15° to 22.5°	24	60	NA	OK	OK	OK	27 x 27	24	66	NA	NA	OK	OK	30 x 27
	22.5° to 30°	24	72	NA	NA	OK	OK	30 x 30	24	75	NA	NA	OK	OK	33 x 30
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	81	NA	NA	OK	OK	36 x 33
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

160 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	18 x 15	24	33	OK	OK	OK	OK	18 x 18
	7.5° to 15°	24	48	NA	OK	OK	OK	24 x 21	24	54	NA	OK	OK	OK	24 x 24
	15° to 22.5°	24	63	NA	NA	OK	OK	27 x 27	24	66	NA	NA	OK	OK	30 x 27
	22.5° to 30°	24	75	NA	NA	OK	OK	33 x 30	24	75	NA	NA	OK	OK	33 x 30
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	81	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

170 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	33	OK	OK	OK	OK	18 x 18	24	36	OK	OK	OK	OK	21 x 18
	7.5° to 15°	24	51	NA	OK	OK	OK	24 x 24	24	54	NA	OK	OK	OK	27 x 24
	15° to 22.5°	24	66	NA	NA	OK	OK	30 x 27	24	66	NA	NA	OK	OK	30 x 27
	22.5° to 30°	24	75	NA	NA	OK	OK	33 x 30	24	75	NA	NA	OK	OK	33 x 30
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	78	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	66	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

50 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	50 psf Ground Snow Load 4-Module Configurations
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90 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Post Span (PS, in)	Required Braces			Max Post Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	70	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		105	YES	YES	YES	3	3
	7.5° to 15°	66	YES			95	YES			3	3
	15° to 22.5°	67	YES			99	YES			3	3
	22.5° to 30°	69	YES			102	YES			3	3
	30° to 37.5°	72	YES			112	YES*			3	3
	37.5° to 45°	77	YES*			111	YES*			2	3

95 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	69	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		102	YES	YES	YES	3	3
	7.5° to 15°	65	YES			92	YES			3	4
	15° to 22.5°	66	YES			94	YES			3	3
	22.5° to 30°	67	YES			97	YES			3	3
	30° to 37.5°	70	YES			105	YES*			3	3
	37.5° to 45°	70	YES*			100	YES*			3	3

100 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	68	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		99	YES	YES	YES	3	3
	7.5° to 15°	64	YES			89	YES			3	4
	15° to 22.5°	64	YES			90	YES			3	4
	22.5° to 30°	65	YES			91	YES			3	3
	30° to 37.5°	67	YES			99	YES*			3	3
	37.5° to 45°	63	YES*			90	YES*			3	3

105 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	67	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		97	YES	YES	YES	3	3
	7.5° to 15°	63	YES			86	YES			3	4
	15° to 22.5°	63	YES			86	YES			3	4
	22.5° to 30°	63	YES			87	YES*			3	4
	30° to 37.5°	65	YES			93	YES*			3	3
	37.5° to 45°	58	YES*			82	YES*			3	3

110 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	66	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		94	YES	YES	YES	3	3
	7.5° to 15°	62	YES			82	YES			3	4
	15° to 22.5°	62	YES			82	YES			3	4
	22.5° to 30°	62	YES			82	YES*			3	4
	30° to 37.5°	64	YES*			87	YES*			3	3
	37.5° to 45°	53	YES*			74	YES*			3	3

120 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	64	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		89	YES	YES	YES	3	3
	7.5° to 15°	59	YES			76	YES			4	4
	15° to 22.5°	59	YES			75	YES			4	4
	22.5° to 30°	58	YES			74	YES*			4	4
	30° to 37.5°	60	YES*			78	YES*			3	4
	37.5° to 45°	44	YES*			62	YES*			3	4

50 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	50 psf Ground Snow Load 4-Module Configurations
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130 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	62	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		84	YES	YES	YES	3	4
	7.5° to 15°	57	YES			71	YES			4	4
	15° to 22.5°	56	YES			69	YES			4	4
	22.5° to 30°	55	YES			66	YES*			4	4
	30° to 37.5°	52	YES*			66	YES*			4	4
	37.5° to 45°	38	YES*			53	YES*			4	4

140 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	60	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		79	YES	YES	YES	3	4
	7.5° to 15°	55	YES			66	YES			4	5
	15° to 22.5°	54	YES			63	YES			4	5
	22.5° to 30°	53	YES*			60	YES*			4	5
	30° to 37.5°	45	YES*			57	YES*			4	5
	37.5° to 45°	33	YES*			46	YES*			4	5

150 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	58	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		74	YES	YES	YES	3	4
	7.5° to 15°	53	YES			61	YES			4	5
	15° to 22.5°	51	YES			57	YES			5	5
	22.5° to 30°	49	YES*			53	YES*			5	5
	30° to 37.5°	39	YES*			50	YES*			5	5
	37.5° to 45°	29	YES*			40	YES*			5	5

160 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	57	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		70	YES	YES	YES	4	4
	7.5° to 15°	51	YES			56	YES			5	5
	15° to 22.5°	49	YES			53	YES			5	5
	22.5° to 30°	46	YES*			47	YES*			5	6
	30° to 37.5°	34	YES*			43	YES*			5	6
	37.5° to 45°	25	YES*			35	YES*			5	6

170 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	55	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		65	YES	YES	YES	4	4
	7.5° to 15°	49	YES			52	YES			5	5
	15° to 22.5°	47	YES			48	YES			5	6
	22.5° to 30°	41	YES*			42	YES*			6	6
	30° to 37.5°	30	YES*			38	YES*			6	6
	37.5° to 45°	22	YES*			31	YES*			6	NA

50 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	50 psf Ground Snow Load 4-Module Configurations
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90 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	33	OK	OK	OK	OK	18 x 12	24	39	OK	OK	OK	OK	18 x 15
	15° to 22.5°	24	42	OK	OK	OK	OK	18 x 18	24	51	OK	OK	OK	OK	24 x 21
	22.5° to 30°	24	54	OK	OK	OK	OK	24 x 21	24	63	NA	OK	OK	OK	27 x 27
	30° to 37.5°	24	60	OK	OK	OK	OK	24 x 24	24	72	NA	OK	OK	OK	30 x 30
	37.5° to 45°	24	66	OK	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

95 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	33	OK	OK	OK	OK	18 x 12	24	39	OK	OK	OK	OK	18 x 18
	15° to 22.5°	24	45	OK	OK	OK	OK	21 x 18	24	51	OK	OK	OK	OK	24 x 21
	22.5° to 30°	24	54	OK	OK	OK	OK	24 x 21	24	66	NA	OK	OK	OK	27 x 27
	30° to 37.5°	24	60	OK	OK	OK	OK	27 x 24	24	75	NA	OK	OK	OK	33 x 30
	37.5° to 45°	24	66	OK	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

100 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	36	OK	OK	OK	OK	18 x 15	24	42	OK	OK	OK	OK	18 x 18
	15° to 22.5°	24	45	OK	OK	OK	OK	21 x 18	24	54	OK	OK	OK	OK	24 x 21
	22.5° to 30°	24	57	OK	OK	OK	OK	24 x 24	24	66	NA	OK	OK	OK	30 x 27
	30° to 37.5°	24	63	OK	OK	OK	OK	27 x 27	24	75	NA	NA	OK	OK	33 x 30
	37.5° to 45°	24	66	OK	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

105 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	36	OK	OK	OK	OK	18 x 15	24	42	OK	OK	OK	OK	21 x 18
	15° to 22.5°	24	48	OK	OK	OK	OK	21 x 21	24	54	NA	OK	OK	OK	24 x 24
	22.5° to 30°	24	60	OK	OK	OK	OK	24 x 24	24	69	NA	OK	OK	OK	30 x 27
	30° to 37.5°	24	66	NA	OK	OK	OK	27 x 27	24	78	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	69	OK	OK	OK	OK	30 x 27	24	81	NA	NA	OK	OK	33 x 33

50 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	50 psf Ground Snow Load 4-Module Configurations
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110 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	39	OK	OK	OK	OK	18 x 15	24	42	OK	OK	OK	OK	21 x 18
	15° to 22.5°	24	48	OK	OK	OK	OK	21 x 21	24	57	NA	OK	OK	OK	24 x 24
	22.5° to 30°	24	60	OK	OK	OK	OK	27 x 24	24	69	NA	OK	OK	OK	30 x 27
	30° to 37.5°	24	66	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

120 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	39	OK	OK	OK	OK	18 x 18	24	45	OK	OK	OK	OK	21 x 21
	15° to 22.5°	24	51	OK	OK	OK	OK	24 x 21	24	57	NA	OK	OK	OK	27 x 24
	22.5° to 30°	24	63	NA	OK	OK	OK	27 x 27	24	72	NA	NA	OK	OK	30 x 30
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	81	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	66	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

130 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	42	OK	OK	OK	OK	21 x 18	24	48	OK	OK	OK	OK	21 x 21
	15° to 22.5°	24	54	NA	OK	OK	OK	24 x 24	24	60	NA	OK	OK	OK	27 x 24
	22.5° to 30°	24	66	NA	OK	OK	OK	30 x 27	24	72	NA	NA	OK	OK	30 x 30
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	81	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

140 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	45	OK	OK	OK	OK	21 x 21	24	48	NA	OK	OK	OK	24 x 21
	15° to 22.5°	24	57	NA	OK	OK	OK	27 x 24	24	63	NA	NA	OK	OK	27 x 27
	22.5° to 30°	24	72	NA	NA	OK	OK	30 x 30	24	75	NA	NA	OK	OK	33 x 30
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	81	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

50 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	50 psf Ground Snow Load 4-Module Configurations
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150 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	18 x 12	24	33	OK	OK	OK	OK	18 x 18
	7.5° to 15°	24	48	OK	OK	OK	OK	21 x 21	24	51	NA	OK	OK	OK	24 x 21
	15° to 22.5°	24	60	NA	OK	OK	OK	27 x 24	24	63	NA	NA	OK	OK	27 x 27
	22.5° to 30°	24	72	NA	NA	OK	OK	30 x 30	24	75	NA	NA	OK	OK	33 x 30
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	81	NA	NA	OK	OK	36 x 33
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

160 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	18 x 15	24	33	OK	OK	OK	OK	18 x 18
	7.5° to 15°	24	48	NA	OK	OK	OK	24 x 21	24	51	NA	OK	OK	OK	24 x 24
	15° to 22.5°	24	63	NA	NA	OK	OK	27 x 27	24	66	NA	NA	OK	OK	30 x 27
	22.5° to 30°	24	75	NA	NA	OK	OK	33 x 30	24	75	NA	NA	OK	OK	33 x 30
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	81	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

170 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	18 x 15	24	33	OK	OK	OK	OK	18 x 18
	7.5° to 15°	24	51	NA	OK	OK	OK	24 x 24	24	51	NA	OK	OK	OK	24 x 24
	15° to 22.5°	24	66	NA	NA	OK	OK	30 x 27	24	66	NA	NA	OK	OK	30 x 27
	22.5° to 30°	24	75	NA	NA	OK	OK	33 x 30	24	75	NA	NA	OK	OK	33 x 30
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	78	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	66	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

60 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	60 psf Ground Snow Load 4-Module Configurations
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90 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Post Span (PS, in)	Required Braces			Max Post Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	64	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		90	YES	YES	YES	3	4
	7.5° to 15°	63	YES			85	YES			3	4
	15° to 22.5°	64	YES			90	YES			3	4
	22.5° to 30°	66	YES			94	YES			3	3
	30° to 37.5°	70	YES			105	YES*			3	3
	37.5° to 45°	75	YES			111	YES*			3	3

95 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	64	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		90	YES	YES	YES	3	4
	7.5° to 15°	62	YES			83	YES			4	4
	15° to 22.5°	63	YES			86	YES			3	4
	22.5° to 30°	64	YES			90	YES			3	4
	30° to 37.5°	68	YES			99	YES*			3	3
	37.5° to 45°	70	YES*			100	YES*			3	3

100 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	64	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		88	YES	YES	YES	3	4
	7.5° to 15°	61	YES			80	YES			4	4
	15° to 22.5°	62	YES			82	YES			3	4
	22.5° to 30°	63	YES			85	YES			3	4
	30° to 37.5°	66	YES			93	YES*			3	3
	37.5° to 45°	63	YES*			90	YES*			3	3

105 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	63	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		86	YES	YES	YES	3	4
	7.5° to 15°	60	YES			77	YES			4	4
	15° to 22.5°	60	YES			79	YES			4	4
	22.5° to 30°	61	YES			81	YES			3	4
	30° to 37.5°	64	YES			88	YES*			3	3
	37.5° to 45°	58	YES*			82	YES*			3	3

110 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	62	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		84	YES	YES	YES	3	4
	7.5° to 15°	59	YES			75	YES			4	4
	15° to 22.5°	59	YES			76	YES			4	4
	22.5° to 30°	60	YES			77	YES*			4	4
	30° to 37.5°	62	YES			83	YES*			3	4
	37.5° to 45°	53	YES*			74	YES*			3	3

120 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	61	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		80	YES	YES	YES	3	4
	7.5° to 15°	57	YES			70	YES			4	4
	15° to 22.5°	57	YES			70	YES			4	4
	22.5° to 30°	57	YES			70	YES*			4	4
	30° to 37.5°	59	YES*			74	YES*			4	4
	37.5° to 45°	44	YES*			62	YES*			3	4

60 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	60 psf Ground Snow Load 4-Module Configurations
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130 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	59	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		76	YES	YES	YES	4	4
	7.5° to 15°	55	YES			65	YES			4	5
	15° to 22.5°	54	YES			64	YES			4	5
	22.5° to 30°	54	YES			63	YES*			4	5
	30° to 37.5°	52	YES*			66	YES*			4	4
	37.5° to 45°	38	YES*			53	YES*			4	4

140 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	57	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		71	YES	YES	YES	4	4
	7.5° to 15°	53	YES			61	YES			4	5
	15° to 22.5°	52	YES			59	YES			4	5
	22.5° to 30°	51	YES*			57	YES*			5	5
	30° to 37.5°	45	YES*			57	YES*			4	5
	37.5° to 45°	33	YES*			46	YES*			4	5

150 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	56	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		68	YES	YES	YES	4	4
	7.5° to 15°	51	YES			56	YES			5	5
	15° to 22.5°	50	YES			54	YES			5	5
	22.5° to 30°	49	YES*			52	YES*			5	5
	30° to 37.5°	39	YES*			50	YES*			5	5
	37.5° to 45°	29	YES*			40	YES*			5	5

160 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	54	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		64	YES	YES	YES	4	4
	7.5° to 15°	49	YES			53	YES			5	6
	15° to 22.5°	48	YES			50	YES			5	6
	22.5° to 30°	46	YES*			47	YES*			5	6
	30° to 37.5°	34	YES*			43	YES*			5	6
	37.5° to 45°	25	YES*			35	YES*			5	6

170 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	53	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		60	YES	YES	YES	4	5
	7.5° to 15°	48	YES			49	YES			5	6
	15° to 22.5°	46	YES			46	YES			5	6
	22.5° to 30°	41	YES*			42	YES*			6	6
	30° to 37.5°	30	YES*			38	YES*			6	6
	37.5° to 45°	22	YES*			31	YES*			6	NA

60 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	60 psf Ground Snow Load 4-Module Configurations
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90 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	33	OK	OK	OK	OK	18 x 12	24	36	OK	OK	OK	OK	18 x 15
	15° to 22.5°	24	42	OK	OK	OK	OK	18 x 18	24	48	OK	OK	OK	OK	21 x 21
	22.5° to 30°	24	51	OK	OK	OK	OK	21 x 21	24	60	OK	OK	OK	OK	27 x 24
	30° to 37.5°	24	60	OK	OK	OK	OK	24 x 24	24	72	NA	OK	OK	OK	30 x 30
	37.5° to 45°	24	66	OK	OK	OK	OK	27 x 27	24	78	NA	NA	OK	OK	33 x 33

95 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	33	OK	OK	OK	OK	18 x 12	24	39	OK	OK	OK	OK	18 x 15
	15° to 22.5°	24	42	OK	OK	OK	OK	18 x 18	24	51	OK	OK	OK	OK	21 x 21
	22.5° to 30°	24	54	OK	OK	OK	OK	24 x 21	24	63	NA	OK	OK	OK	27 x 27
	30° to 37.5°	24	60	OK	OK	OK	OK	27 x 24	24	72	NA	OK	OK	OK	30 x 30
	37.5° to 45°	24	66	OK	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

100 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	36	OK	OK	OK	OK	18 x 12	24	39	OK	OK	OK	OK	18 x 18
	15° to 22.5°	24	45	OK	OK	OK	OK	21 x 18	24	51	OK	OK	OK	OK	24 x 21
	22.5° to 30°	24	57	OK	OK	OK	OK	24 x 24	24	63	NA	OK	OK	OK	27 x 27
	30° to 37.5°	24	63	OK	OK	OK	OK	27 x 24	24	72	NA	OK	OK	OK	33 x 30
	37.5° to 45°	24	66	OK	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

105 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	36	OK	OK	OK	OK	18 x 15	24	39	OK	OK	OK	OK	18 x 18
	15° to 22.5°	24	48	OK	OK	OK	OK	21 x 18	24	54	OK	OK	OK	OK	24 x 21
	22.5° to 30°	24	57	OK	OK	OK	OK	24 x 24	24	66	NA	OK	OK	OK	27 x 27
	30° to 37.5°	24	66	OK	OK	OK	OK	27 x 27	24	75	NA	OK	OK	OK	33 x 30
	37.5° to 45°	24	69	OK	OK	OK	OK	30 x 27	24	81	NA	NA	OK	OK	33 x 33

60 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	60 psf Ground Snow Load 4-Module Configurations
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110 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	36	OK	OK	OK	OK	18 x 15	24	42	OK	OK	OK	OK	18 x 18
	15° to 22.5°	24	48	OK	OK	OK	OK	21 x 21	24	54	NA	OK	OK	OK	24 x 24
	22.5° to 30°	24	60	OK	OK	OK	OK	27 x 24	24	66	NA	OK	OK	OK	30 x 27
	30° to 37.5°	24	66	NA	OK	OK	OK	27 x 27	24	75	NA	NA	OK	OK	33 x 30
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

120 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	39	OK	OK	OK	OK	18 x 18	24	42	OK	OK	OK	OK	21 x 18
	15° to 22.5°	24	51	OK	OK	OK	OK	24 x 21	24	57	NA	OK	OK	OK	24 x 24
	22.5° to 30°	24	63	NA	OK	OK	OK	27 x 27	24	69	NA	OK	OK	OK	30 x 30
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	78	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	66	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

130 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	42	OK	OK	OK	OK	21 x 18	24	45	OK	OK	OK	OK	21 x 21
	15° to 22.5°	24	54	NA	OK	OK	OK	24 x 24	24	60	NA	OK	OK	OK	27 x 24
	22.5° to 30°	24	66	NA	OK	OK	OK	30 x 27	24	72	NA	NA	OK	OK	30 x 30
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	81	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

140 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	45	OK	OK	OK	OK	21 x 18	24	48	OK	OK	OK	OK	21 x 21
	15° to 22.5°	24	57	NA	OK	OK	OK	24 x 24	24	60	NA	OK	OK	OK	27 x 24
	22.5° to 30°	24	69	NA	OK	OK	OK	30 x 27	24	72	NA	NA	OK	OK	30 x 30
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	81	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

60 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	60 psf Ground Snow Load 4-Module Configurations
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150 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	45	OK	OK	OK	OK	21 x 21	24	48	OK	OK	OK	OK	24 x 21
	15° to 22.5°	24	60	NA	OK	OK	OK	27 x 24	24	60	NA	NA	OK	OK	27 x 27
	22.5° to 30°	24	72	NA	NA	OK	OK	30 x 30	24	75	NA	NA	OK	OK	33 x 30
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	81	NA	NA	OK	OK	36 x 33
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

160 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	18 x 15	24	33	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	48	NA	OK	OK	OK	24 x 21	24	48	NA	OK	OK	OK	24 x 21
	15° to 22.5°	24	63	NA	NA	OK	OK	27 x 27	24	63	NA	NA	OK	OK	27 x 27
	22.5° to 30°	24	75	NA	NA	OK	OK	33 x 30	24	75	NA	NA	OK	OK	33 x 30
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	81	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

170 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	18 x 15	24	33	OK	OK	OK	OK	18 x 18
	7.5° to 15°	24	51	NA	OK	OK	OK	24 x 21	24	51	NA	OK	OK	OK	24 x 24
	15° to 22.5°	24	63	NA	NA	OK	OK	30 x 27	24	63	NA	NA	OK	OK	30 x 27
	22.5° to 30°	24	75	NA	NA	OK	OK	33 x 30	24	75	NA	NA	OK	OK	33 x 30
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	78	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	66	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

70 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	70 psf Ground Snow Load 4-Module Configurations
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90 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Post Span (PS, in)	Required Braces			Max Post Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	60	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		78	YES	YES	YES	4	4
	7.5° to 15°	60	YES			77	YES			4	4
	15° to 22.5°	62	YES			82	YES			4	4
	22.5° to 30°	64	YES			88	YES			3	4
	30° to 37.5°	67	YES			98	YES*			3	3
	37.5° to 45°	73	YES			111	YES*			3	3

95 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	60	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		78	YES	YES	YES	4	4
	7.5° to 15°	59	YES			75	YES			4	4
	15° to 22.5°	60	YES			79	YES			4	4
	22.5° to 30°	62	YES			83	YES			3	4
	30° to 37.5°	66	YES			93	YES*			3	3
	37.5° to 45°	70	YES*			100	YES*			3	3

100 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	60	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		78	YES	YES	YES	4	4
	7.5° to 15°	58	YES			73	YES			4	4
	15° to 22.5°	59	YES			76	YES			4	4
	22.5° to 30°	61	YES			80	YES			4	4
	30° to 37.5°	64	YES			88	YES*			3	3
	37.5° to 45°	63	YES*			90	YES*			3	3

105 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	60	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		78	YES	YES	YES	4	4
	7.5° to 15°	57	YES			71	YES			4	4
	15° to 22.5°	58	YES			73	YES			4	4
	22.5° to 30°	59	YES			76	YES			4	4
	30° to 37.5°	62	YES			83	YES*			3	4
	37.5° to 45°	58	YES*			82	YES*			3	3

110 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	59	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		76	YES	YES	YES	4	4
	7.5° to 15°	56	YES			68	YES			4	5
	15° to 22.5°	57	YES			70	YES			4	4
	22.5° to 30°	58	YES			72	YES			4	4
	30° to 37.5°	60	YES			79	YES*			3	4
	37.5° to 45°	53	YES*			74	YES*			3	3

120 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	58	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		72	YES	YES	YES	4	4
	7.5° to 15°	54	YES			64	YES			4	5
	15° to 22.5°	55	YES			65	YES			4	5
	22.5° to 30°	55	YES			66	YES*			4	5
	30° to 37.5°	57	YES*			71	YES*			4	4
	37.5° to 45°	44	YES*			62	YES*			3	4

70 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	70 psf Ground Snow Load 4-Module Configurations
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130 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	56	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		69	YES	YES	YES	4	4
	7.5° to 15°	53	YES			60	YES			5	5
	15° to 22.5°	53	YES			60	YES			4	5
	22.5° to 30°	53	YES			60	YES*			4	5
	30° to 37.5°	52	YES*			64	YES*			4	4
	37.5° to 45°	38	YES*			53	YES*			4	4

140 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	55	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		65	YES	YES	YES	4	4
	7.5° to 15°	51	YES			56	YES			5	5
	15° to 22.5°	51	YES			55	YES			5	5
	22.5° to 30°	50	YES*			55	YES*			5	5
	30° to 37.5°	45	YES*			57	YES*			4	5
	37.5° to 45°	33	YES*			46	YES*			4	5

150 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	54	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		62	YES	YES	YES	4	5
	7.5° to 15°	49	YES			53	YES			5	6
	15° to 22.5°	49	YES			51	YES			5	6
	22.5° to 30°	48	YES*			50	YES*			5	6
	30° to 37.5°	39	YES*			50	YES*			5	5
	37.5° to 45°	29	YES*			40	YES*			5	5

160 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	52	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		59	YES	YES	YES	4	5
	7.5° to 15°	48	YES			49	YES			5	6
	15° to 22.5°	47	YES			47	YES			5	6
	22.5° to 30°	46	YES*			46	YES*			6	6
	30° to 37.5°	34	YES*			43	YES*			5	5
	37.5° to 45°	25	YES*			35	YES*			5	6

170 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	51	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		56	YES	YES	YES	4	5
	7.5° to 15°	46	YES			46	YES			6	6
	15° to 22.5°	45	YES			44	YES			6	6
	22.5° to 30°	41	YES*			42	YES*			6	NA
	30° to 37.5°	30	YES*			38	YES*			6	6
	37.5° to 45°	NA	NA			NA	NA			NA	NA

70 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	70 psf Ground Snow Load 4-Module Configurations
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90 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	30	OK	OK	OK	OK	18 x 12	24	36	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	42	OK	OK	OK	OK	18 x 18	24	48	OK	OK	OK	OK	21 x 18
	22.5° to 30°	24	51	OK	OK	OK	OK	21 x 21	24	60	OK	OK	OK	OK	27 x 24
	30° to 37.5°	24	57	OK	OK	OK	OK	24 x 24	24	69	NA	OK	OK	OK	30 x 27
	37.5° to 45°	24	66	OK	OK	OK	OK	27 x 27	24	78	NA	NA	OK	OK	33 x 33

95 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	33	OK	OK	OK	OK	18 x 12	24	36	OK	OK	OK	OK	18 x 15
	15° to 22.5°	24	42	OK	OK	OK	OK	18 x 18	24	48	OK	OK	OK	OK	21 x 21
	22.5° to 30°	24	54	OK	OK	OK	OK	24 x 21	24	60	OK	OK	OK	OK	27 x 24
	30° to 37.5°	24	60	OK	OK	OK	OK	27 x 24	24	69	NA	OK	OK	OK	30 x 30
	37.5° to 45°	24	66	OK	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

100 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	33	OK	OK	OK	OK	18 x 12	24	36	OK	OK	OK	OK	18 x 15
	15° to 22.5°	24	45	OK	OK	OK	OK	21 x 18	24	48	OK	OK	OK	OK	21 x 21
	22.5° to 30°	24	54	OK	OK	OK	OK	24 x 21	24	63	NA	OK	OK	OK	27 x 27
	30° to 37.5°	24	63	OK	OK	OK	OK	27 x 24	24	72	NA	OK	OK	OK	30 x 30
	37.5° to 45°	24	66	OK	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

105 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	36	OK	OK	OK	OK	18 x 15	24	39	OK	OK	OK	OK	18 x 18
	15° to 22.5°	24	45	OK	OK	OK	OK	21 x 18	24	51	OK	OK	OK	OK	24 x 21
	22.5° to 30°	24	57	OK	OK	OK	OK	24 x 24	24	63	NA	OK	OK	OK	27 x 27
	30° to 37.5°	24	63	OK	OK	OK	OK	27 x 27	24	72	NA	OK	OK	OK	30 x 30
	37.5° to 45°	24	69	OK	OK	OK	OK	30 x 27	24	81	NA	NA	OK	OK	33 x 33

70 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	70 psf Ground Snow Load 4-Module Configurations
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110 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	36	OK	OK	OK	OK	18 x 15	24	39	OK	OK	OK	OK	18 x 18
	15° to 22.5°	24	48	OK	OK	OK	OK	21 x 21	24	51	OK	OK	OK	OK	24 x 21
	22.5° to 30°	24	60	OK	OK	OK	OK	24 x 24	24	66	NA	OK	OK	OK	27 x 27
	30° to 37.5°	24	66	NA	OK	OK	OK	27 x 27	24	75	NA	OK	OK	OK	33 x 30
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

120 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	39	OK	OK	OK	OK	18 x 18	24	42	OK	OK	OK	OK	18 x 18
	15° to 22.5°	24	51	OK	OK	OK	OK	21 x 21	24	54	NA	OK	OK	OK	24 x 24
	22.5° to 30°	24	63	NA	OK	OK	OK	27 x 24	24	69	NA	OK	OK	OK	30 x 27
	30° to 37.5°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 30
	37.5° to 45°	24	66	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

130 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	42	OK	OK	OK	OK	18 x 18	24	42	OK	OK	OK	OK	21 x 18
	15° to 22.5°	24	54	NA	OK	OK	OK	24 x 21	24	57	NA	OK	OK	OK	24 x 24
	22.5° to 30°	24	66	NA	OK	OK	OK	27 x 27	24	69	NA	OK	OK	OK	30 x 30
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	78	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

140 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	42	OK	OK	OK	OK	21 x 18	24	45	OK	OK	OK	OK	21 x 21
	15° to 22.5°	24	57	NA	OK	OK	OK	24 x 24	24	57	NA	OK	OK	OK	27 x 24
	22.5° to 30°	24	69	NA	OK	OK	OK	30 x 27	24	72	NA	NA	OK	OK	30 x 30
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	81	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

70 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	70 psf Ground Snow Load 4-Module Configurations
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150 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	45	OK	OK	OK	OK	21 x 21	24	48	OK	OK	OK	OK	21 x 21
	15° to 22.5°	24	60	NA	OK	OK	OK	27 x 24	24	60	NA	OK	OK	OK	27 x 24
	22.5° to 30°	24	72	NA	NA	OK	OK	30 x 30	24	72	NA	NA	OK	OK	30 x 30
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	81	NA	NA	OK	OK	36 x 33
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

160 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	18 x 15	24	30	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	48	OK	OK	OK	OK	21 x 21	24	48	NA	OK	OK	OK	24 x 21
	15° to 22.5°	24	60	NA	OK	OK	OK	27 x 27	24	60	NA	OK	OK	OK	27 x 27
	22.5° to 30°	24	75	NA	NA	OK	OK	33 x 30	24	75	NA	NA	OK	OK	33 x 30
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	81	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

170 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	18 x 15	24	30	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	48	NA	OK	OK	OK	24 x 21	24	48	NA	OK	OK	OK	24 x 21
	15° to 22.5°	24	63	NA	NA	OK	OK	27 x 27	24	63	NA	NA	OK	OK	27 x 27
	22.5° to 30°	24	75	NA	NA	OK	OK	33 x 30	24	75	NA	NA	OK	OK	33 x 30
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	78	NA	NA	OK	OK	33 x 33
	37.5° to 45°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

80 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	80 psf Ground Snow Load 4-Module Configurations
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90 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Post Span (PS, in)	Required Braces			Max Post Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	56	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		69	YES	YES	YES	4	5
	7.5° to 15°	57	YES			70	YES			4	5
	15° to 22.5°	59	YES			76	YES			4	4
	22.5° to 30°	61	YES			82	YES			4	4
	30° to 37.5°	65	YES			93	YES			3	3
	37.5° to 45°	71	YES			110	YES*			3	3

95 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	56	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		69	YES	YES	YES	4	5
	7.5° to 15°	56	YES			68	YES			4	5
	15° to 22.5°	58	YES			73	YES			4	4
	22.5° to 30°	60	YES			78	YES			4	4
	30° to 37.5°	64	YES			88	YES*			3	4
	37.5° to 45°	69	YES*			100	YES*			3	3

100 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	56	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		69	YES	YES	YES	4	5
	7.5° to 15°	55	YES			67	YES			4	5
	15° to 22.5°	57	YES			70	YES			4	4
	22.5° to 30°	59	YES			75	YES			4	4
	30° to 37.5°	62	YES			84	YES*			3	4
	37.5° to 45°	63	YES*			90	YES*			3	3

105 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	56	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		69	YES	YES	YES	4	5
	7.5° to 15°	55	YES			65	YES			4	5
	15° to 22.5°	56	YES			68	YES			4	5
	22.5° to 30°	57	YES			71	YES			4	4
	30° to 37.5°	61	YES			79	YES*			3	4
	37.5° to 45°	58	YES*			82	YES*			3	3

110 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	56	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		69	YES	YES	YES	4	5
	7.5° to 15°	54	YES			63	YES			4	5
	15° to 22.5°	55	YES			66	YES			4	5
	22.5° to 30°	56	YES			68	YES			4	4
	30° to 37.5°	59	YES			75	YES*			4	4
	37.5° to 45°	53	YES*			74	YES*			3	4

120 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	55	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		66	YES	YES	YES	4	5
	7.5° to 15°	52	YES			59	YES			5	5
	15° to 22.5°	53	YES			61	YES			4	5
	22.5° to 30°	54	YES			62	YES			4	5
	30° to 37.5°	56	YES*			68	YES*			4	4
	37.5° to 45°	44	YES*			62	YES*			4	4

80 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	80 psf Ground Snow Load 4-Module Configurations
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130 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	54	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		63	YES	YES	YES	4	5
	7.5° to 15°	51	YES			56	YES			5	5
	15° to 22.5°	51	YES			57	YES			5	5
	22.5° to 30°	51	YES			57	YES*			5	5
	30° to 37.5°	52	YES*			62	YES*			4	5
	37.5° to 45°	38	YES*			53	YES*			4	4

140 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	53	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		60	YES	YES	YES	4	5
	7.5° to 15°	49	YES			53	YES			5	6
	15° to 22.5°	49	YES			52	YES			5	6
	22.5° to 30°	49	YES*			52	YES*			5	6
	30° to 37.5°	45	YES*			56	YES*			5	5
	37.5° to 45°	33	YES*			46	YES*			4	5

150 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	52	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		58	YES	YES	YES	5	5
	7.5° to 15°	48	YES			49	YES			5	6
	15° to 22.5°	47	YES			49	YES			5	6
	22.5° to 30°	47	YES*			48	YES*			5	6
	30° to 37.5°	39	YES*			50	YES*			5	5
	37.5° to 45°	29	YES*			40	YES*			5	5

160 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	50	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		55	YES	YES	YES	5	5
	7.5° to 15°	46	YES			47	YES			6	6
	15° to 22.5°	46	YES			45	YES			6	6
	22.5° to 30°	45	YES*			44	YES*			6	6
	30° to 37.5°	34	YES*			43	YES*			5	6
	37.5° to 45°	25	YES*			35	YES*			5	6

170 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	49	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		52	YES	YES	YES	5	5
	7.5° to 15°	45	YES			44	YES			6	NA
	15° to 22.5°	44	YES			42	YES			6	NA
	22.5° to 30°	41	YES*			40	YES*			6	NA
	30° to 37.5°	30	YES*			38	YES*			6	6
	37.5° to 45°	22	YES*			31	YES*			6	NA

80 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	80 psf Ground Snow Load 4-Module Configurations
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90 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	30	OK	OK	OK	OK	18 x 12	24	33	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	39	OK	OK	OK	OK	18 x 15	24	45	OK	OK	OK	OK	21 x 18
	22.5° to 30°	24	51	OK	OK	OK	OK	21 x 21	24	57	OK	OK	OK	OK	24 x 24
	30° to 37.5°	24	57	OK	OK	OK	OK	24 x 24	24	66	NA	OK	OK	OK	30 x 27
	37.5° to 45°	24	66	OK	OK	OK	OK	27 x 27	24	78	NA	OK	OK	OK	33 x 33

95 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	33	OK	OK	OK	OK	18 x 12	24	36	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	42	OK	OK	OK	OK	18 x 18	24	48	OK	OK	OK	OK	21 x 18
	22.5° to 30°	24	51	OK	OK	OK	OK	21 x 21	24	60	OK	OK	OK	OK	24 x 24
	30° to 37.5°	24	60	OK	OK	OK	OK	24 x 24	24	69	NA	OK	OK	OK	30 x 27
	37.5° to 45°	24	66	OK	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

100 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	33	OK	OK	OK	OK	18 x 12	24	36	OK	OK	OK	OK	18 x 15
	15° to 22.5°	24	42	OK	OK	OK	OK	18 x 18	24	48	OK	OK	OK	OK	21 x 21
	22.5° to 30°	24	54	OK	OK	OK	OK	24 x 21	24	60	OK	OK	OK	OK	27 x 24
	30° to 37.5°	24	60	OK	OK	OK	OK	27 x 24	24	69	NA	OK	OK	OK	30 x 30
	37.5° to 45°	24	66	OK	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

105 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	36	OK	OK	OK	OK	18 x 12	24	36	OK	OK	OK	OK	18 x 15
	15° to 22.5°	24	45	OK	OK	OK	OK	21 x 18	24	48	OK	OK	OK	OK	21 x 21
	22.5° to 30°	24	57	OK	OK	OK	OK	24 x 24	24	63	NA	OK	OK	OK	27 x 24
	30° to 37.5°	24	63	OK	OK	OK	OK	27 x 27	24	72	NA	OK	OK	OK	30 x 30
	37.5° to 45°	24	69	OK	OK	OK	OK	30 x 27	24	81	NA	NA	OK	OK	33 x 33

80 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	80 psf Ground Snow Load 4-Module Configurations
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110 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	36	OK	OK	OK	OK	18 x 15	24	39	OK	OK	OK	OK	18 x 15
	15° to 22.5°	24	48	OK	OK	OK	OK	21 x 18	24	51	OK	OK	OK	OK	21 x 21
	22.5° to 30°	24	57	OK	OK	OK	OK	24 x 24	24	63	NA	OK	OK	OK	27 x 27
	30° to 37.5°	24	66	NA	OK	OK	OK	27 x 27	24	72	NA	OK	OK	OK	30 x 30
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

120 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	39	OK	OK	OK	OK	18 x 15	24	39	OK	OK	OK	OK	18 x 18
	15° to 22.5°	24	51	OK	OK	OK	OK	21 x 21	24	54	OK	OK	OK	OK	24 x 21
	22.5° to 30°	24	63	NA	OK	OK	OK	27 x 24	24	66	NA	OK	OK	OK	27 x 27
	30° to 37.5°	24	69	NA	OK	OK	OK	30 x 27	24	75	NA	NA	OK	OK	33 x 30
	37.5° to 45°	24	66	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

130 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	42	OK	OK	OK	OK	18 x 18	24	42	OK	OK	OK	OK	21 x 18
	15° to 22.5°	24	54	OK	OK	OK	OK	24 x 21	24	54	NA	OK	OK	OK	24 x 24
	22.5° to 30°	24	66	NA	OK	OK	OK	27 x 27	24	69	NA	OK	OK	OK	30 x 27
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	78	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

140 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	42	OK	OK	OK	OK	21 x 18	24	45	OK	OK	OK	OK	21 x 18
	15° to 22.5°	24	54	NA	OK	OK	OK	24 x 24	24	57	NA	OK	OK	OK	24 x 24
	22.5° to 30°	24	69	NA	OK	OK	OK	30 x 27	24	69	NA	OK	OK	OK	30 x 30
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	78	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

80 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	80 psf Ground Snow Load 4-Module Configurations
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150 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	45	OK	OK	OK	OK	21 x 21	24	45	OK	OK	OK	OK	21 x 21
	15° to 22.5°	24	57	NA	OK	OK	OK	27 x 24	24	60	NA	OK	OK	OK	27 x 24
	22.5° to 30°	24	72	NA	NA	OK	OK	30 x 30	24	72	NA	NA	OK	OK	30 x 30
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	81	NA	NA	OK	OK	36 x 33
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

160 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	48	OK	OK	OK	OK	21 x 21	24	48	OK	OK	OK	OK	21 x 21
	15° to 22.5°	24	60	NA	OK	OK	OK	27 x 27	24	60	NA	OK	OK	OK	27 x 24
	22.5° to 30°	24	75	NA	NA	OK	OK	33 x 30	24	72	NA	NA	OK	OK	30 x 30
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	81	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

170 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	18 x 15	24	30	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	48	NA	OK	OK	OK	24 x 21	24	48	NA	OK	OK	OK	24 x 21
	15° to 22.5°	24	63	NA	NA	OK	OK	27 x 27	24	60	NA	NA	OK	OK	27 x 27
	22.5° to 30°	24	75	NA	NA	OK	OK	33 x 30	24	75	NA	NA	OK	OK	33 x 30
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	78	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	66	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

90 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	90 psf Ground Snow Load 4-Module Configurations
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90 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Post Span (PS, in)	Required Braces			Max Post Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	53	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		62	YES	YES	YES	5	5
	7.5° to 15°	54	YES			63	YES			5	5
	15° to 22.5°	57	YES			70	YES			4	5
	22.5° to 30°	59	YES			77	YES			4	4
	30° to 37.5°	64	YES			88	YES			3	4
	37.5° to 45°	70	YES			106	YES*			3	3

95 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	53	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		62	YES	YES	YES	5	5
	7.5° to 15°	54	YES			63	YES			5	5
	15° to 22.5°	56	YES			68	YES			4	5
	22.5° to 30°	58	YES			74	YES			4	4
	30° to 37.5°	62	YES			84	YES*			3	4
	37.5° to 45°	68	YES*			100	YES*			3	3

100 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	53	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		62	YES	YES	YES	5	5
	7.5° to 15°	53	YES			62	YES			5	5
	15° to 22.5°	55	YES			66	YES			4	5
	22.5° to 30°	57	YES			70	YES			4	4
	30° to 37.5°	61	YES			80	YES*			3	4
	37.5° to 45°	63	YES*			90	YES*			3	3

105 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	53	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		62	YES	YES	YES	5	5
	7.5° to 15°	53	YES			60	YES			5	5
	15° to 22.5°	54	YES			64	YES			4	5
	22.5° to 30°	56	YES			68	YES			4	5
	30° to 37.5°	59	YES			76	YES*			4	4
	37.5° to 45°	58	YES*			82	YES*			3	4

110 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	53	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		62	YES	YES	YES	5	5
	7.5° to 15°	52	YES			58	YES			5	5
	15° to 22.5°	53	YES			61	YES			5	5
	22.5° to 30°	55	YES			65	YES			4	5
	30° to 37.5°	58	YES			72	YES*			4	4
	37.5° to 45°	53	YES*			74	YES*			3	4

120 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	53	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		61	YES	YES	YES	5	5
	7.5° to 15°	51	YES			55	YES			5	6
	15° to 22.5°	51	YES			57	YES			5	5
	22.5° to 30°	52	YES			59	YES			5	5
	30° to 37.5°	55	YES*			65	YES*			4	4
	37.5° to 45°	44	YES*			62	YES*			4	4

90 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	90 psf Ground Snow Load 4-Module Configurations
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130 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	52	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		59	YES	YES	YES	5	5
	7.5° to 15°	49	YES			52	YES			5	6
	15° to 22.5°	50	YES			53	YES			5	6
	22.5° to 30°	50	YES			55	YES			5	5
	30° to 37.5°	52	YES*			59	YES*			4	5
	37.5° to 45°	38	YES*			53	YES*			4	4

140 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	51	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		56	YES	YES	YES	5	5
	7.5° to 15°	48	YES			49	YES			5	6
	15° to 22.5°	48	YES			50	YES			5	6
	22.5° to 30°	48	YES*			50	YES*			5	6
	30° to 37.5°	45	YES*			54	YES*			5	5
	37.5° to 45°	33	YES*			46	YES*			4	5

150 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	50	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		54	YES	YES	YES	5	5
	7.5° to 15°	46	YES			47	YES			6	6
	15° to 22.5°	46	YES			46	YES			6	6
	22.5° to 30°	46	YES*			46	YES*			6	6
	30° to 37.5°	39	YES*			49	YES*			5	6
	37.5° to 45°	29	YES*			40	YES*			5	5

160 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	49	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		51	YES	YES	YES	5	6
	7.5° to 15°	45	YES			44	YES			6	NA
	15° to 22.5°	45	YES			43	YES			6	NA
	22.5° to 30°	44	YES*			42	YES*			6	NA
	30° to 37.5°	34	YES*			43	YES*			5	6
	37.5° to 45°	25	YES*			35	YES*			5	6

170 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	48	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		49	YES	YES	YES	5	6
	7.5° to 15°	44	YES			41	YES			6	NA
	15° to 22.5°	43	YES			40	YES			6	NA
	22.5° to 30°	41	YES*			39	YES*			6	NA
	30° to 37.5°	30	YES*			38	YES*			6	NA
	37.5° to 45°	22	YES*			31	YES*			6	NA

90 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	90 psf Ground Snow Load 4-Module Configurations
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90 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	30	OK	OK	OK	OK	18 x 12	24	33	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	39	OK	OK	OK	OK	18 x 15	24	42	OK	OK	OK	OK	18 x 18
	22.5° to 30°	24	48	OK	OK	OK	OK	21 x 21	24	57	OK	OK	OK	OK	24 x 24
	30° to 37.5°	24	57	OK	OK	OK	OK	24 x 24	24	66	OK	OK	OK	OK	27 x 27
	37.5° to 45°	24	63	OK	OK	OK	OK	27 x 27	24	78	NA	OK	OK	OK	33 x 33

95 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	30	OK	OK	OK	OK	18 x 12	24	33	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	42	OK	OK	OK	OK	18 x 18	24	45	OK	OK	OK	OK	21 x 18
	22.5° to 30°	24	51	OK	OK	OK	OK	21 x 21	24	57	OK	OK	OK	OK	24 x 24
	30° to 37.5°	24	57	OK	OK	OK	OK	24 x 24	24	66	NA	OK	OK	OK	30 x 27
	37.5° to 45°	24	66	OK	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

100 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	33	OK	OK	OK	OK	18 x 12	24	36	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	42	OK	OK	OK	OK	18 x 18	24	48	OK	OK	OK	OK	21 x 18
	22.5° to 30°	24	54	OK	OK	OK	OK	24 x 21	24	60	OK	OK	OK	OK	24 x 24
	30° to 37.5°	24	60	OK	OK	OK	OK	27 x 24	24	69	NA	OK	OK	OK	30 x 27
	37.5° to 45°	24	66	OK	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

105 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	33	OK	OK	OK	OK	18 x 12	24	36	OK	OK	OK	OK	18 x 15
	15° to 22.5°	24	45	OK	OK	OK	OK	21 x 18	24	48	OK	OK	OK	OK	21 x 21
	22.5° to 30°	24	54	OK	OK	OK	OK	24 x 21	24	60	OK	OK	OK	OK	27 x 24
	30° to 37.5°	24	63	OK	OK	OK	OK	27 x 24	24	69	NA	OK	OK	OK	30 x 30
	37.5° to 45°	24	69	OK	OK	OK	OK	30 x 27	24	81	NA	NA	OK	OK	33 x 33

90 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	90 psf Ground Snow Load 4-Module Configurations
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110 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	36	OK	OK	OK	OK	18 x 15	24	36	OK	OK	OK	OK	18 x 15
	15° to 22.5°	24	45	OK	OK	OK	OK	21 x 18	24	48	OK	OK	OK	OK	21 x 21
	22.5° to 30°	24	57	OK	OK	OK	OK	24 x 24	24	63	NA	OK	OK	OK	27 x 24
	30° to 37.5°	24	66	OK	OK	OK	OK	27 x 27	24	72	NA	OK	OK	OK	30 x 30
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

120 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	36	OK	OK	OK	OK	18 x 15	24	39	OK	OK	OK	OK	18 x 18
	15° to 22.5°	24	48	OK	OK	OK	OK	21 x 21	24	51	OK	OK	OK	OK	24 x 21
	22.5° to 30°	24	60	OK	OK	OK	OK	27 x 24	24	63	NA	OK	OK	OK	27 x 27
	30° to 37.5°	24	69	NA	OK	OK	OK	30 x 27	24	75	NA	OK	OK	OK	33 x 30
	37.5° to 45°	24	66	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

130 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	39	OK	OK	OK	OK	18 x 18	24	42	OK	OK	OK	OK	18 x 18
	15° to 22.5°	24	51	OK	OK	OK	OK	24 x 21	24	54	NA	OK	OK	OK	24 x 21
	22.5° to 30°	24	63	NA	OK	OK	OK	27 x 27	24	66	NA	OK	OK	OK	30 x 27
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	75	NA	NA	OK	OK	33 x 30
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

140 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	42	OK	OK	OK	OK	21 x 18	24	42	OK	OK	OK	OK	21 x 18
	15° to 22.5°	24	54	NA	OK	OK	OK	24 x 24	24	57	NA	OK	OK	OK	24 x 24
	22.5° to 30°	24	66	NA	OK	OK	OK	30 x 27	24	69	NA	OK	OK	OK	30 x 27
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	78	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

90 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	90 psf Ground Snow Load 4-Module Configurations
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150 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	45	OK	OK	OK	OK	21 x 18	24	45	OK	OK	OK	OK	21 x 18
	15° to 22.5°	24	57	NA	OK	OK	OK	24 x 24	24	57	NA	OK	OK	OK	24 x 24
	22.5° to 30°	24	72	NA	NA	OK	OK	30 x 30	24	72	NA	NA	OK	OK	30 x 30
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	81	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

160 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	45	OK	OK	OK	OK	21 x 21	24	45	OK	OK	OK	OK	21 x 21
	15° to 22.5°	24	60	NA	OK	OK	OK	27 x 24	24	60	NA	OK	OK	OK	27 x 24
	22.5° to 30°	24	72	NA	NA	OK	OK	30 x 30	24	72	NA	NA	OK	OK	30 x 30
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	81	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

170 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	18 x 15	24	30	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	48	NA	OK	OK	OK	24 x 21	24	48	OK	OK	OK	OK	21 x 21
	15° to 22.5°	24	63	NA	NA	OK	OK	27 x 27	24	60	NA	OK	OK	OK	27 x 24
	22.5° to 30°	24	75	NA	NA	OK	OK	33 x 30	24	72	NA	NA	OK	OK	30 x 30
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	78	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	66	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

100 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	100 psf Ground Snow Load 4-Module Configurations
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90 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Post Span (PS, in)	Required Braces			Max Post Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	51	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		56	YES	YES	YES	5	6
	7.5° to 15°	51	YES			57	YES			5	6
	15° to 22.5°	55	YES			65	YES			4	5
	22.5° to 30°	58	YES			72	YES			4	4
	30° to 37.5°	62	YES			84	YES			3	4
	37.5° to 45°	68	YES			101	YES*			3	3

95 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	51	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		56	YES	YES	YES	5	6
	7.5° to 15°	51	YES			57	YES			5	6
	15° to 22.5°	54	YES			63	YES			4	5
	22.5° to 30°	57	YES			69	YES			4	4
	30° to 37.5°	61	YES			80	YES			4	4
	37.5° to 45°	66	YES			96	YES*			3	3

100 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	51	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		56	YES	YES	YES	5	6
	7.5° to 15°	51	YES			57	YES			5	6
	15° to 22.5°	53	YES			62	YES			5	5
	22.5° to 30°	55	YES			67	YES			4	5
	30° to 37.5°	59	YES			76	YES*			4	4
	37.5° to 45°	63	YES*			90	YES*			3	4

105 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	51	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		56	YES	YES	YES	5	6
	7.5° to 15°	51	YES			56	YES			5	6
	15° to 22.5°	52	YES			60	YES			5	5
	22.5° to 30°	54	YES			64	YES			4	5
	30° to 37.5°	58	YES			73	YES*			4	4
	37.5° to 45°	58	YES*			82	YES*			3	4

110 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	51	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		56	YES	YES	YES	5	6
	7.5° to 15°	50	YES			54	YES			5	6
	15° to 22.5°	52	YES			58	YES			5	5
	22.5° to 30°	53	YES			61	YES			4	5
	30° to 37.5°	56	YES			69	YES*			4	4
	37.5° to 45°	53	YES*			74	YES*			3	4

120 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	51	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		56	YES	YES	YES	5	6
	7.5° to 15°	49	YES			52	YES			5	6
	15° to 22.5°	50	YES			54	YES			5	6
	22.5° to 30°	51	YES			57	YES			5	5
	30° to 37.5°	54	YES*			63	YES*			4	5
	37.5° to 45°	44	YES*			62	YES*			4	4

100 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	100 psf Ground Snow Load 4-Module Configurations
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130 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	50	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		54	YES	YES	YES	5	6
	7.5° to 15°	48	YES			49	YES			6	6
	15° to 22.5°	48	YES			51	YES			5	6
	22.5° to 30°	49	YES			52	YES			5	6
	30° to 37.5°	51	YES*			57	YES*			5	5
	37.5° to 45°	38	YES*			53	YES*			4	5

140 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	49	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		52	YES	YES	YES	5	6
	7.5° to 15°	46	YES			46	YES			6	6
	15° to 22.5°	47	YES			47	YES			6	6
	22.5° to 30°	47	YES			48	YES*			5	6
	30° to 37.5°	45	YES*			52	YES*			5	5
	37.5° to 45°	33	YES*			46	YES*			4	5

150 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	48	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		50	YES	YES	YES	5	6
	7.5° to 15°	45	YES			44	YES			6	NA
	15° to 22.5°	45	YES			44	YES			6	NA
	22.5° to 30°	45	YES*			44	YES*			6	6
	30° to 37.5°	39	YES*			48	YES*			5	6
	37.5° to 45°	29	YES*			40	YES*			5	5

160 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	47	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		48	YES	YES	YES	5	6
	7.5° to 15°	44	YES			42	YES			6	NA
	15° to 22.5°	44	YES			41	YES			6	NA
	22.5° to 30°	43	YES*			41	YES*			6	NA
	30° to 37.5°	34	YES*			43	YES*			6	6
	37.5° to 45°	25	YES*			35	YES*			5	6

170 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	46	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		46	YES	YES	YES	5	6
	7.5° to 15°	NA	NA			NA	NA			NA	NA
	15° to 22.5°	NA	NA			NA	NA			NA	NA
	22.5° to 30°	NA	NA			NA	NA			NA	NA
	30° to 37.5°	30	YES*			38	YES*			6	NA
	37.5° to 45°	22	YES*			31	YES*			6	NA

100 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	100 psf Ground Snow Load 4-Module Configurations
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90 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	30	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	39	OK	OK	OK	OK	18 x 15	24	42	OK	OK	OK	OK	18 x 18
	22.5° to 30°	24	48	OK	OK	OK	OK	21 x 21	24	54	OK	OK	OK	OK	24 x 21
	30° to 37.5°	24	54	OK	OK	OK	OK	24 x 21	24	63	OK	OK	OK	OK	27 x 27
	37.5° to 45°	24	63	OK	OK	OK	OK	27 x 27	24	75	NA	OK	OK	OK	33 x 30

95 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	30	OK	OK	OK	OK	18 x 12	24	33	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	42	OK	OK	OK	OK	18 x 15	24	42	OK	OK	OK	OK	18 x 18
	22.5° to 30°	24	51	OK	OK	OK	OK	21 x 21	24	57	OK	OK	OK	OK	24 x 24
	30° to 37.5°	24	57	OK	OK	OK	OK	24 x 24	24	66	NA	OK	OK	OK	27 x 27
	37.5° to 45°	24	66	OK	OK	OK	OK	27 x 27	24	78	NA	OK	OK	OK	33 x 33

100 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	33	OK	OK	OK	OK	18 x 12	24	33	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	42	OK	OK	OK	OK	18 x 18	24	45	OK	OK	OK	OK	21 x 18
	22.5° to 30°	24	54	OK	OK	OK	OK	24 x 21	24	57	OK	OK	OK	OK	24 x 24
	30° to 37.5°	24	60	OK	OK	OK	OK	24 x 24	24	66	NA	OK	OK	OK	30 x 27
	37.5° to 45°	24	66	OK	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

105 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	33	OK	OK	OK	OK	18 x 12	24	36	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	42	OK	OK	OK	OK	18 x 18	24	48	OK	OK	OK	OK	21 x 18
	22.5° to 30°	24	54	OK	OK	OK	OK	24 x 21	24	60	OK	OK	OK	OK	24 x 24
	30° to 37.5°	24	63	OK	OK	OK	OK	27 x 24	24	69	NA	OK	OK	OK	30 x 27
	37.5° to 45°	24	69	OK	OK	OK	OK	30 x 27	24	81	NA	NA	OK	OK	33 x 33

100 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	100 psf Ground Snow Load 4-Module Configurations
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110 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	36	OK	OK	OK	OK	18 x 12	24	36	OK	OK	OK	OK	18 x 15
	15° to 22.5°	24	45	OK	OK	OK	OK	21 x 18	24	48	OK	OK	OK	OK	21 x 21
	22.5° to 30°	24	57	OK	OK	OK	OK	24 x 24	24	60	OK	OK	OK	OK	27 x 24
	30° to 37.5°	24	63	OK	OK	OK	OK	27 x 27	24	69	NA	OK	OK	OK	30 x 27
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

120 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	36	OK	OK	OK	OK	18 x 15	24	39	OK	OK	OK	OK	18 x 15
	15° to 22.5°	24	48	OK	OK	OK	OK	21 x 21	24	51	OK	OK	OK	OK	21 x 21
	22.5° to 30°	24	60	OK	OK	OK	OK	27 x 24	24	63	NA	OK	OK	OK	27 x 27
	30° to 37.5°	24	69	NA	OK	OK	OK	30 x 27	24	72	NA	OK	OK	OK	30 x 30
	37.5° to 45°	24	66	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

130 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	39	OK	OK	OK	OK	18 x 18	24	39	OK	OK	OK	OK	18 x 18
	15° to 22.5°	24	51	OK	OK	OK	OK	24 x 21	24	54	OK	OK	OK	OK	24 x 21
	22.5° to 30°	24	63	NA	OK	OK	OK	27 x 27	24	66	NA	OK	OK	OK	27 x 27
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	75	NA	NA	OK	OK	33 x 30
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

140 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	42	OK	OK	OK	OK	18 x 18	24	42	OK	OK	OK	OK	18 x 18
	15° to 22.5°	24	54	NA	OK	OK	OK	24 x 24	24	54	NA	OK	OK	OK	24 x 24
	22.5° to 30°	24	66	NA	OK	OK	OK	30 x 27	24	66	NA	OK	OK	OK	30 x 27
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	78	NA	NA	OK	OK	33 x 30
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

100 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	100 psf Ground Snow Load 4-Module Configurations
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150 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	42	OK	OK	OK	OK	21 x 18	24	42	OK	OK	OK	OK	21 x 18
	15° to 22.5°	24	57	NA	OK	OK	OK	24 x 24	24	57	NA	OK	OK	OK	24 x 24
	22.5° to 30°	24	69	NA	OK	OK	OK	30 x 27	24	69	NA	OK	OK	OK	30 x 27
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	78	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

160 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	45	OK	OK	OK	OK	21 x 21	24	45	OK	OK	OK	OK	21 x 21
	15° to 22.5°	24	60	NA	OK	OK	OK	27 x 24	24	57	NA	OK	OK	OK	27 x 24
	22.5° to 30°	24	72	NA	NA	OK	OK	30 x 30	24	72	NA	NA	OK	OK	30 x 30
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	81	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

170 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	18 x 15	24	30	OK	OK	OK	OK	18 x 15
	7.5° to 15°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	15° to 22.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	22.5° to 30°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	78	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	66	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

110 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	110 psf Ground Snow Load 4-Module Configurations
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90 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Post Span (PS, in)	Required Braces			Max Post Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	48	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		51	YES	YES	YES	6	6
	7.5° to 15°	49	YES			52	YES			6	6
	15° to 22.5°	53	YES			61	YES			5	5
	22.5° to 30°	56	YES			68	YES			4	5
	30° to 37.5°	61	YES			80	YES			4	4
	37.5° to 45°	67	YES			97	YES*			3	3

95 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	48	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		51	YES	YES	YES	6	6
	7.5° to 15°	49	YES			52	YES			6	6
	15° to 22.5°	52	YES			60	YES			5	5
	22.5° to 30°	55	YES			66	YES			4	5
	30° to 37.5°	59	YES			76	YES			4	4
	37.5° to 45°	65	YES			92	YES*			3	3

100 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	48	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		51	YES	YES	YES	6	6
	7.5° to 15°	49	YES			52	YES			6	6
	15° to 22.5°	52	YES			58	YES			5	5
	22.5° to 30°	54	YES			63	YES			4	5
	30° to 37.5°	58	YES			73	YES			4	4
	37.5° to 45°	62	YES*			87	YES*			3	4

105 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	48	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		51	YES	YES	YES	6	6
	7.5° to 15°	49	YES			52	YES			6	6
	15° to 22.5°	51	YES			56	YES			5	5
	22.5° to 30°	53	YES			61	YES			5	5
	30° to 37.5°	57	YES			69	YES*			4	4
	37.5° to 45°	57	YES*			82	YES*			3	4

110 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	48	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		51	YES	YES	YES	6	6
	7.5° to 15°	48	YES			51	YES			6	6
	15° to 22.5°	50	YES			54	YES			5	6
	22.5° to 30°	52	YES			59	YES			5	5
	30° to 37.5°	55	YES			66	YES*			4	4
	37.5° to 45°	53	YES*			74	YES*			4	4

120 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	48	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		51	YES	YES	YES	6	6
	7.5° to 15°	47	YES			49	YES			6	6
	15° to 22.5°	49	YES			51	YES			5	6
	22.5° to 30°	50	YES			54	YES			5	6
	30° to 37.5°	53	YES*			61	YES*			4	5
	37.5° to 45°	44	YES*			62	YES*			4	4

110 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	110 psf Ground Snow Load 4-Module Configurations
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130 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	48	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		51	YES	YES	YES	6	6
	7.5° to 15°	46	YES			46	YES			6	NA
	15° to 22.5°	47	YES			48	YES			6	6
	22.5° to 30°	48	YES			50	YES			5	6
	30° to 37.5°	50	YES*			55	YES*			5	5
	37.5° to 45°	38	YES*			53	YES*			4	5

140 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	48	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		49	YES	YES	YES	6	6
	7.5° to 15°	45	YES			44	YES			6	NA
	15° to 22.5°	46	YES			45	YES			6	6
	22.5° to 30°	46	YES			46	YES			6	6
	30° to 37.5°	45	YES*			51	YES*			5	6
	37.5° to 45°	33	YES*			46	YES*			5	5

150 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	47	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		47	YES	YES	YES	6	6
	7.5° to 15°	44	YES			42	YES			6	NA
	15° to 22.5°	44	YES			42	YES			6	NA
	22.5° to 30°	44	YES*			43	YES*			6	NA
	30° to 37.5°	39	YES*			46	YES*			5	6
	37.5° to 45°	29	YES*			40	YES*			5	6

160 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	46	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		45	YES	YES	YES	6	6
	7.5° to 15°	NA	NA			NA	NA			NA	NA
	15° to 22.5°	43	YES			40	YES			6	NA
	22.5° to 30°	43	YES*			40	YES*			6	NA
	30° to 37.5°	34	YES*			43	YES*			6	6
	37.5° to 45°	25	YES*			35	YES*			5	6

170 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	45	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		43	YES	YES	YES	6	6
	7.5° to 15°	NA	NA			NA	NA			NA	NA
	15° to 22.5°	NA	NA			NA	NA			NA	NA
	22.5° to 30°	NA	NA			NA	NA			NA	NA
	30° to 37.5°	30	YES*			38	YES*			6	NA
	37.5° to 45°	22	YES*			31	YES*			6	NA

110 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	110 psf Ground Snow Load 4-Module Configurations
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90 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	30	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	39	OK	OK	OK	OK	18 x 15	24	42	OK	OK	OK	OK	18 x 18
	22.5° to 30°	24	48	OK	OK	OK	OK	21 x 18	24	54	OK	OK	OK	OK	24 x 21
	30° to 37.5°	24	54	OK	OK	OK	OK	24 x 21	24	63	OK	OK	OK	OK	27 x 24
	37.5° to 45°	24	63	OK	OK	OK	OK	27 x 24	24	75	NA	OK	OK	OK	33 x 30

95 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	30	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	39	OK	OK	OK	OK	18 x 15	24	42	OK	OK	OK	OK	18 x 18
	22.5° to 30°	24	51	OK	OK	OK	OK	21 x 21	24	54	OK	OK	OK	OK	24 x 21
	30° to 37.5°	24	57	OK	OK	OK	OK	24 x 24	24	63	OK	OK	OK	OK	27 x 27
	37.5° to 45°	24	66	OK	OK	OK	OK	27 x 27	24	78	NA	OK	OK	OK	33 x 30

100 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	30	OK	OK	OK	OK	18 x 12	24	33	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	42	OK	OK	OK	OK	18 x 18	24	45	OK	OK	OK	OK	18 x 18
	22.5° to 30°	24	51	OK	OK	OK	OK	21 x 21	24	57	OK	OK	OK	OK	24 x 24
	30° to 37.5°	24	60	OK	OK	OK	OK	24 x 24	24	66	NA	OK	OK	OK	27 x 27
	37.5° to 45°	24	66	OK	OK	OK	OK	30 x 27	24	78	NA	OK	OK	OK	33 x 33

105 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	33	OK	OK	OK	OK	18 x 12	24	33	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	42	OK	OK	OK	OK	18 x 18	24	45	OK	OK	OK	OK	21 x 18
	22.5° to 30°	24	54	OK	OK	OK	OK	24 x 21	24	57	OK	OK	OK	OK	24 x 24
	30° to 37.5°	24	60	OK	OK	OK	OK	27 x 24	24	66	NA	OK	OK	OK	30 x 27
	37.5° to 45°	24	66	OK	OK	OK	OK	30 x 27	24	81	NA	NA	OK	OK	33 x 33

110 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	110 psf Ground Snow Load 4-Module Configurations
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110 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	33	OK	OK	OK	OK	18 x 12	24	36	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	45	OK	OK	OK	OK	21 x 18	24	45	OK	OK	OK	OK	21 x 18
	22.5° to 30°	24	57	OK	OK	OK	OK	24 x 24	24	60	OK	OK	OK	OK	24 x 24
	30° to 37.5°	24	63	OK	OK	OK	OK	27 x 24	24	69	NA	OK	OK	OK	30 x 27
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

120 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	36	OK	OK	OK	OK	18 x 15	24	36	OK	OK	OK	OK	18 x 15
	15° to 22.5°	24	48	OK	OK	OK	OK	21 x 21	24	48	OK	OK	OK	OK	21 x 21
	22.5° to 30°	24	60	OK	OK	OK	OK	27 x 24	24	63	NA	OK	OK	OK	27 x 24
	30° to 37.5°	24	66	NA	OK	OK	OK	30 x 27	24	72	NA	OK	OK	OK	30 x 30
	37.5° to 45°	24	66	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

130 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	39	OK	OK	OK	OK	18 x 18	24	39	OK	OK	OK	OK	18 x 18
	15° to 22.5°	24	51	OK	OK	OK	OK	21 x 21	24	51	OK	OK	OK	OK	24 x 21
	22.5° to 30°	24	63	NA	OK	OK	OK	27 x 27	24	63	NA	OK	OK	OK	27 x 27
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	72	NA	OK	OK	OK	33 x 30
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

140 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	42	OK	OK	OK	OK	18 x 18	24	42	OK	OK	OK	OK	18 x 18
	15° to 22.5°	24	54	NA	OK	OK	OK	24 x 21	24	54	OK	OK	OK	OK	24 x 21
	22.5° to 30°	24	66	NA	OK	OK	OK	27 x 27	24	66	NA	OK	OK	OK	27 x 27
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	75	NA	NA	OK	OK	33 x 30
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

110 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	110 psf Ground Snow Load 4-Module Configurations
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150 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	42	OK	OK	OK	OK	21 x 18	24	42	OK	OK	OK	OK	21 x 18
	15° to 22.5°	24	57	NA	OK	OK	OK	24 x 24	24	54	NA	OK	OK	OK	24 x 24
	22.5° to 30°	24	69	NA	OK	OK	OK	30 x 27	24	69	NA	OK	OK	OK	30 x 27
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	78	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

160 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 12
	7.5° to 15°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	15° to 22.5°	24	60	NA	OK	OK	OK	27 x 24	24	57	NA	OK	OK	OK	24 x 24
	22.5° to 30°	24	72	NA	NA	OK	OK	30 x 30	24	69	NA	OK	OK	OK	30 x 30
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	81	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

170 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 12
	7.5° to 15°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	15° to 22.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	22.5° to 30°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	78	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	66	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

120 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	120 psf Ground Snow Load 4-Module Configurations
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90 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Post Span (PS, in)	Required Braces			Max Post Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	46	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		47	YES	YES	YES	6	NA
	7.5° to 15°	47	YES			48	YES			6	NA
	15° to 22.5°	52	YES			58	YES			5	6
	22.5° to 30°	55	YES			65	YES			4	5
	30° to 37.5°	59	YES			76	YES			4	4
	37.5° to 45°	66	YES			93	YES*			3	3

95 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	46	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		47	YES	YES	YES	6	NA
	7.5° to 15°	47	YES			48	YES			6	NA
	15° to 22.5°	51	YES			56	YES			5	6
	22.5° to 30°	54	YES			62	YES			5	5
	30° to 37.5°	58	YES			73	YES			4	4
	37.5° to 45°	64	YES			89	YES*			3	4

100 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	46	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		47	YES	YES	YES	6	NA
	7.5° to 15°	47	YES			48	YES			6	NA
	15° to 22.5°	50	YES			55	YES			5	6
	22.5° to 30°	53	YES			60	YES			5	5
	30° to 37.5°	57	YES			70	YES			4	4
	37.5° to 45°	61	YES*			84	YES*			3	4

105 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	46	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		47	YES	YES	YES	6	NA
	7.5° to 15°	47	YES			48	YES			6	NA
	15° to 22.5°	49	YES			53	YES			5	6
	22.5° to 30°	52	YES			58	YES			5	5
	30° to 37.5°	55	YES			67	YES			4	5
	37.5° to 45°	57	YES*			80	YES*			4	4

110 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	46	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		47	YES	YES	YES	6	NA
	7.5° to 15°	47	YES			48	YES			6	NA
	15° to 22.5°	49	YES			52	YES			5	6
	22.5° to 30°	51	YES			56	YES			5	5
	30° to 37.5°	54	YES			64	YES*			4	5
	37.5° to 45°	52	YES*			74	YES*			4	4

120 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	46	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		47	YES	YES	YES	6	NA
	7.5° to 15°	46	YES			46	YES			6	NA
	15° to 22.5°	47	YES			49	YES			6	6
	22.5° to 30°	49	YES			52	YES			5	6
	30° to 37.5°	52	YES			58	YES*			5	5
	37.5° to 45°	44	YES*			62	YES*			4	4

120 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	120 psf Ground Snow Load 4-Module Configurations
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130 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	46	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		47	YES	YES	YES	6	NA
	7.5° to 15°	45	YES			44	YES			6	NA
	15° to 22.5°	46	YES			46	YES			6	6
	22.5° to 30°	47	YES			48	YES			6	6
	30° to 37.5°	50	YES*			54	YES*			5	5
	37.5° to 45°	38	YES*			53	YES*			4	5

140 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	46	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		46	YES	YES	YES	6	NA
	7.5° to 15°	44	YES			42	YES			6	NA
	15° to 22.5°	45	YES			43	YES			6	NA
	22.5° to 30°	45	YES			45	YES			6	6
	30° to 37.5°	44	YES*			49	YES*			5	6
	37.5° to 45°	33	YES*			46	YES*			5	5

150 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	45	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		44	YES	YES	YES	6	NA
	7.5° to 15°	NA	NA			NA	NA			NA	NA
	15° to 22.5°	43	YES			40	YES			6	NA
	22.5° to 30°	44	YES*			41	YES			6	NA
	30° to 37.5°	39	YES*			45	YES*			6	6
	37.5° to 45°	29	YES*			40	YES*			5	6

160 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	44	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		43	YES	YES	YES	6	NA
	7.5° to 15°	NA	NA			NA	NA			NA	NA
	15° to 22.5°	NA	NA			NA	NA			NA	NA
	22.5° to 30°	NA	NA			NA	NA			NA	NA
	30° to 37.5°	34	YES*			41	YES*			6	NA
	37.5° to 45°	25	YES*			35	YES*			6	6

170 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	44	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		41	YES	YES	YES	6	NA
	7.5° to 15°	NA	NA			NA	NA			NA	NA
	15° to 22.5°	NA	NA			NA	NA			NA	NA
	22.5° to 30°	NA	NA			NA	NA			NA	NA
	30° to 37.5°	30	YES*			38	YES*			6	NA
	37.5° to 45°	22	YES*			31	YES*			6	NA

120 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	120 psf Ground Snow Load 4-Module Configurations
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90 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	27	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	39	OK	OK	OK	OK	18 x 15	24	39	OK	OK	OK	OK	18 x 15
	22.5° to 30°	24	48	OK	OK	OK	OK	21 x 18	24	51	OK	OK	OK	OK	21 x 21
	30° to 37.5°	24	54	OK	OK	OK	OK	24 x 21	24	60	OK	OK	OK	OK	27 x 24
	37.5° to 45°	24	63	OK	OK	OK	OK	27 x 24	24	72	NA	OK	OK	OK	30 x 30

95 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	30	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	39	OK	OK	OK	OK	18 x 15	24	42	OK	OK	OK	OK	18 x 18
	22.5° to 30°	24	51	OK	OK	OK	OK	21 x 21	24	54	OK	OK	OK	OK	24 x 21
	30° to 37.5°	24	57	OK	OK	OK	OK	24 x 24	24	63	OK	OK	OK	OK	27 x 24
	37.5° to 45°	24	66	OK	OK	OK	OK	27 x 27	24	75	NA	OK	OK	OK	33 x 30

100 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	30	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	42	OK	OK	OK	OK	18 x 18	24	42	OK	OK	OK	OK	18 x 18
	22.5° to 30°	24	51	OK	OK	OK	OK	21 x 21	24	54	OK	OK	OK	OK	24 x 21
	30° to 37.5°	24	60	OK	OK	OK	OK	24 x 24	24	66	OK	OK	OK	OK	27 x 27
	37.5° to 45°	24	66	OK	OK	OK	OK	27 x 27	24	78	NA	OK	OK	OK	33 x 33

105 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	33	OK	OK	OK	OK	18 x 12	24	33	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	42	OK	OK	OK	OK	18 x 18	24	45	OK	OK	OK	OK	18 x 18
	22.5° to 30°	24	54	OK	OK	OK	OK	24 x 21	24	57	OK	OK	OK	OK	24 x 24
	30° to 37.5°	24	60	OK	OK	OK	OK	27 x 24	24	66	NA	OK	OK	OK	27 x 27
	37.5° to 45°	24	66	OK	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

120 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	120 psf Ground Snow Load 4-Module Configurations
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110 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	33	OK	OK	OK	OK	18 x 12	24	33	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	45	OK	OK	OK	OK	21 x 18	24	45	OK	OK	OK	OK	21 x 18
	22.5° to 30°	24	54	OK	OK	OK	OK	24 x 21	24	57	OK	OK	OK	OK	24 x 24
	30° to 37.5°	24	63	OK	OK	OK	OK	27 x 24	24	66	NA	OK	OK	OK	30 x 27
	37.5° to 45°	24	66	OK	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

120 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	36	OK	OK	OK	OK	18 x 15	24	36	OK	OK	OK	OK	18 x 15
	15° to 22.5°	24	48	OK	OK	OK	OK	21 x 18	24	48	OK	OK	OK	OK	21 x 21
	22.5° to 30°	24	60	OK	OK	OK	OK	24 x 24	24	60	OK	OK	OK	OK	27 x 24
	30° to 37.5°	24	66	NA	OK	OK	OK	27 x 27	24	69	NA	OK	OK	OK	30 x 27
	37.5° to 45°	24	66	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

130 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	39	OK	OK	OK	OK	18 x 15	24	39	OK	OK	OK	OK	18 x 15
	15° to 22.5°	24	51	OK	OK	OK	OK	21 x 21	24	51	OK	OK	OK	OK	21 x 21
	22.5° to 30°	24	63	NA	OK	OK	OK	27 x 24	24	63	NA	OK	OK	OK	27 x 27
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	72	NA	OK	OK	OK	30 x 30
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

140 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	42	OK	OK	OK	OK	18 x 18	24	39	OK	OK	OK	OK	18 x 18
	15° to 22.5°	24	54	OK	OK	OK	OK	24 x 21	24	51	OK	OK	OK	OK	24 x 21
	22.5° to 30°	24	66	NA	OK	OK	OK	27 x 27	24	66	NA	OK	OK	OK	27 x 27
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	75	NA	NA	OK	OK	33 x 30
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

120 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	120 psf Ground Snow Load 4-Module Configurations
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150 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	15° to 22.5°	24	54	NA	OK	OK	OK	24 x 24	24	54	NA	OK	OK	OK	24 x 21
	22.5° to 30°	24	69	NA	OK	OK	OK	30 x 27	24	66	NA	OK	OK	OK	30 x 27
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	78	NA	NA	OK	OK	33 x 30
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

160 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 12
	7.5° to 15°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	15° to 22.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	22.5° to 30°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	78	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

170 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 12
	7.5° to 15°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	15° to 22.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	22.5° to 30°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	78	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	66	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

130 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	130 psf Ground Snow Load 4-Module Configurations
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90 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Post Span (PS, in)	Required Braces			Max Post Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	NA	NA	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		NA	NA	YES	YES	NA	NA
	7.5° to 15°	45	YES			44	YES			6	NA
	15° to 22.5°	50	YES			53	YES			5	6
	22.5° to 30°	53	YES			61	YES			5	5
	30° to 37.5°	58	YES			73	YES			4	4
	37.5° to 45°	64	YES			90	YES*			3	4

95 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	NA	NA	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay	NA	NA	YES	YES	NA	NA	
	7.5° to 15°	45	YES		44	YES			6	NA	
	15° to 22.5°	49	YES		53	YES			5	6	
	22.5° to 30°	52	YES		59	YES			5	5	
	30° to 37.5°	57	YES		70	YES			4	4	
	37.5° to 45°	63	YES		86	YES*			3	4	

100 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	NA	NA	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		NA	NA	YES	YES	NA	NA
	7.5° to 15°	45	YES			44	YES			6	NA
	15° to 22.5°	49	YES			52	YES			5	6
	22.5° to 30°	51	YES			57	YES			5	5
	30° to 37.5°	56	YES			67	YES			4	5
	37.5° to 45°	60	YES			82	YES*			4	4

105 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	NA	NA	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		NA	NA	YES	YES	NA	NA
	7.5° to 15°	45	YES			44	YES			6	NA
	15° to 22.5°	48	YES			50	YES			5	6
	22.5° to 30°	51	YES			55	YES			5	5
	30° to 37.5°	54	YES			64	YES			4	5
	37.5° to 45°	56	YES*			78	YES*			4	4

110 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	NA	NA	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay	NA	NA	YES	YES	NA	NA	
	7.5° to 15°	45	YES		44	YES			6	NA	
	15° to 22.5°	48	YES		49	YES			6	6	
	22.5° to 30°	50	YES		53	YES			5	6	
	30° to 37.5°	53	YES		61	YES			4	5	
	37.5° to 45°	52	YES*		74	YES*			4	4	

120 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	NA	NA	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay	NA	NA	YES	YES	NA	NA	
	7.5° to 15°	45	YES		43	YES			6	NA	
	15° to 22.5°	46	YES		46	YES			6	6	
	22.5° to 30°	48	YES		50	YES			5	6	
	30° to 37.5°	51	YES		56	YES*			5	5	
	37.5° to 45°	44	YES*		62	YES*			4	5	

130 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	130 psf Ground Snow Load 4-Module Configurations
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130 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	NA	NA	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		NA	NA	YES	YES	NA	NA
	7.5° to 15°	NA	NA			NA	NA			NA	NA
	15° to 22.5°	45	YES			44	YES			6	NA
	22.5° to 30°	46	YES			46	YES			6	6
	30° to 37.5°	49	YES*			52	YES*			5	6
	37.5° to 45°	38	YES*			53	YES*			4	5

140 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	NA	NA	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay	NA	NA	YES	YES	NA	NA	
	7.5° to 15°	NA	NA		NA	NA			NA	NA	
	15° to 22.5°	44	YES		41	YES			6	NA	
	22.5° to 30°	45	YES		43	YES			6	NA	
	30° to 37.5°	43	YES*		48	YES*			5	6	
	37.5° to 45°	33	YES*		46	YES*			5	5	

150 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	NA	NA	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		NA	NA	YES	YES	NA	NA
	7.5° to 15°	NA	NA			NA	NA			NA	NA
	15° to 22.5°	NA	NA			NA	NA			NA	NA
	22.5° to 30°	43	YES*			40	YES			6	NA
	30° to 37.5°	39	YES*			44	YES*			6	6
	37.5° to 45°	29	YES*			40	YES*			5	6

160 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	NA	NA	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay	NA	NA	YES	YES	NA	NA	
	7.5° to 15°	NA	NA		NA	NA			NA	NA	
	15° to 22.5°	NA	NA		NA	NA			NA	NA	
	22.5° to 30°	NA	NA		NA	NA			NA	NA	
	30° to 37.5°	34	YES*		40	YES*			6	NA	
	37.5° to 45°	25	YES*		35	YES*			6	6	

170 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	NA	NA	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay	NA	NA	YES	YES	NA	NA	
	7.5° to 15°	NA	NA		NA	NA			NA	NA	
	15° to 22.5°	NA	NA		NA	NA			NA	NA	
	22.5° to 30°	NA	NA		NA	NA			NA	NA	
	30° to 37.5°	NA	NA		NA	NA			NA	NA	
	37.5° to 45°	22	YES*		31	YES*			6	NA	

130 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	130 psf Ground Snow Load 4-Module Configurations
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90 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7.5° to 15°	24	27	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	36	OK	OK	OK	OK	18 x 15	24	39	OK	OK	OK	OK	18 x 15
	22.5° to 30°	24	48	OK	OK	OK	OK	21 x 18	24	51	OK	OK	OK	OK	21 x 21
	30° to 37.5°	24	54	OK	OK	OK	OK	24 x 21	24	60	OK	OK	OK	OK	27 x 24
	37.5° to 45°	24	60	OK	OK	OK	OK	27 x 24	24	72	NA	OK	OK	OK	30 x 30

95 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7.5° to 15°	24	30	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	39	OK	OK	OK	OK	18 x 15	24	39	OK	OK	OK	OK	18 x 15
	22.5° to 30°	24	48	OK	OK	OK	OK	21 x 21	24	51	OK	OK	OK	OK	21 x 21
	30° to 37.5°	24	57	OK	OK	OK	OK	24 x 21	24	60	OK	OK	OK	OK	27 x 24
	37.5° to 45°	24	63	OK	OK	OK	OK	27 x 27	24	75	NA	OK	OK	OK	33 x 30

100 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7.5° to 15°	24	30	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	42	OK	OK	OK	OK	18 x 15	24	42	OK	OK	OK	OK	18 x 18
	22.5° to 30°	24	51	OK	OK	OK	OK	21 x 21	24	54	OK	OK	OK	OK	24 x 21
	30° to 37.5°	24	57	OK	OK	OK	OK	24 x 24	24	63	OK	OK	OK	OK	27 x 27
	37.5° to 45°	24	66	OK	OK	OK	OK	27 x 27	24	75	NA	OK	OK	OK	33 x 30

105 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7.5° to 15°	24	30	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	42	OK	OK	OK	OK	18 x 18	24	42	OK	OK	OK	OK	18 x 18
	22.5° to 30°	24	54	OK	OK	OK	OK	24 x 21	24	54	OK	OK	OK	OK	24 x 21
	30° to 37.5°	24	60	OK	OK	OK	OK	27 x 24	24	66	OK	OK	OK	OK	27 x 27
	37.5° to 45°	24	66	OK	OK	OK	OK	30 x 27	24	78	NA	OK	OK	OK	33 x 33

130 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	130 psf Ground Snow Load 4-Module Configurations
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110 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7.5° to 15°	24	33	OK	OK	OK	OK	18 x 12	24	33	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	45	OK	OK	OK	OK	18 x 18	24	45	OK	OK	OK	OK	21 x 18
	22.5° to 30°	24	54	OK	OK	OK	OK	24 x 21	24	57	OK	OK	OK	OK	24 x 24
	30° to 37.5°	24	63	OK	OK	OK	OK	27 x 24	24	66	NA	OK	OK	OK	27 x 27
	37.5° to 45°	24	66	OK	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

120 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7.5° to 15°	24	36	OK	OK	OK	OK	18 x 15	24	36	OK	OK	OK	OK	18 x 15
	15° to 22.5°	24	48	OK	OK	OK	OK	21 x 18	24	48	OK	OK	OK	OK	21 x 18
	22.5° to 30°	24	60	OK	OK	OK	OK	24 x 24	24	60	OK	OK	OK	OK	27 x 24
	30° to 37.5°	24	66	NA	OK	OK	OK	27 x 27	24	69	NA	OK	OK	OK	30 x 27
	37.5° to 45°	24	66	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

130 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7.5° to 15°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	15° to 22.5°	24	48	OK	OK	OK	OK	21 x 21	24	48	OK	OK	OK	OK	21 x 21
	22.5° to 30°	24	63	NA	OK	OK	OK	27 x 24	24	63	NA	OK	OK	OK	27 x 24
	30° to 37.5°	24	69	NA	OK	OK	OK	30 x 27	24	72	NA	OK	OK	OK	30 x 30
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

140 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7.5° to 15°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	15° to 22.5°	24	54	OK	OK	OK	OK	24 x 21	24	51	OK	OK	OK	OK	24 x 21
	22.5° to 30°	24	66	NA	OK	OK	OK	27 x 27	24	63	NA	OK	OK	OK	27 x 27
	30° to 37.5°	24	69	NA	OK	OK	OK	30 x 30	24	75	NA	OK	OK	OK	33 x 30
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

130 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	130 psf Ground Snow Load 4-Module Configurations
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150 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7.5° to 15°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	15° to 22.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	22.5° to 30°	24	69	NA	OK	OK	OK	30 x 27	24	66	NA	OK	OK	OK	27 x 27
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	75	NA	NA	OK	OK	33 x 30
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

160 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7.5° to 15°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	15° to 22.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	22.5° to 30°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	78	NA	NA	OK	OK	33 x 33
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

170 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7.5° to 15°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	15° to 22.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	22.5° to 30°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	30° to 37.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	37.5° to 45°	24	66	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

140 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	140 psf Ground Snow Load 4-Module Configurations
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90 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Post Span (PS, in)	Required Braces			Max Post Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	NA	NA	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		NA	NA	YES	YES	NA	NA
	7.5° to 15°	NA	NA			NA	NA			NA	NA
	15° to 22.5°	48	YES			50	YES			6	6
	22.5° to 30°	52	YES			58	YES			5	5
	30° to 37.5°	57	YES			69	YES			4	4
	37.5° to 45°	63	YES			87	YES*			3	4

95 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	NA	NA	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		NA	NA	YES	YES	NA	NA
	7.5° to 15°	NA	NA			NA	NA			NA	NA
	15° to 22.5°	48	YES			50	YES			6	6
	22.5° to 30°	51	YES			57	YES			5	5
	30° to 37.5°	56	YES			67	YES			4	5
	37.5° to 45°	62	YES			83	YES*			4	4

100 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	NA	NA	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		NA	NA	YES	YES	NA	NA
	7.5° to 15°	NA	NA			NA	NA			NA	NA
	15° to 22.5°	48	YES			49	YES			6	6
	22.5° to 30°	50	YES			55	YES			5	6
	30° to 37.5°	54	YES			64	YES			4	5
	37.5° to 45°	59	YES			79	YES*			4	4

105 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	NA	NA	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		NA	NA	YES	YES	NA	NA
	7.5° to 15°	NA	NA			NA	NA			NA	NA
	15° to 22.5°	47	YES			48	YES			6	6
	22.5° to 30°	49	YES			53	YES			5	6
	30° to 37.5°	53	YES			62	YES			4	5
	37.5° to 45°	55	YES			75	YES*			4	4

110 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	NA	NA	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		NA	NA	YES	YES	NA	NA
	7.5° to 15°	NA	NA			NA	NA			NA	NA
	15° to 22.5°	46	YES			47	YES			6	NA
	22.5° to 30°	49	YES			51	YES			5	6
	30° to 37.5°	52	YES			59	YES			5	5
	37.5° to 45°	51	YES*			72	YES*			4	4

120 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	NA	NA	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		NA	NA	YES	YES	NA	NA
	7.5° to 15°	NA	NA			NA	NA			NA	NA
	15° to 22.5°	45	YES			44	YES			6	NA
	22.5° to 30°	47	YES			48	YES			6	6
	30° to 37.5°	50	YES			55	YES*			5	5
	37.5° to 45°	44	YES*			62	YES*			4	5

140 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	140 psf Ground Snow Load 4-Module Configurations
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130 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	NA	NA	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		NA	NA	YES	YES	NA	NA
	7.5° to 15°	NA	NA			NA	NA			NA	NA
	15° to 22.5°	44	YES			42	YES			6	NA
	22.5° to 30°	45	YES			45	YES			6	NA
	30° to 37.5°	48	YES*			50	YES*			5	6
	37.5° to 45°	38	YES*			53	YES*			5	5

140 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	NA	NA	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		NA	NA	YES	YES	NA	NA
	7.5° to 15°	NA	NA			NA	NA			NA	NA
	15° to 22.5°	NA	NA			NA	NA			NA	NA
	22.5° to 30°	44	YES			42	YES			6	NA
	30° to 37.5°	43	YES*			46	YES*			6	6
	37.5° to 45°	33	YES*			46	YES*			5	5

150 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	NA	NA	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		NA	NA	YES	YES	NA	NA
	7.5° to 15°	NA	NA			NA	NA			NA	NA
	15° to 22.5°	NA	NA			NA	NA			NA	NA
	22.5° to 30°	NA	NA			NA	NA			NA	NA
	30° to 37.5°	38	YES*			43	YES*			6	NA
	37.5° to 45°	29	YES*			40	YES*			5	6

160 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	NA	NA	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		NA	NA	YES	YES	NA	NA
	7.5° to 15°	NA	NA			NA	NA			NA	NA
	15° to 22.5°	NA	NA			NA	NA			NA	NA
	22.5° to 30°	NA	NA			NA	NA			NA	NA
	30° to 37.5°	34	YES*			39	YES*			6	NA
	37.5° to 45°	25	YES*			35	YES*			6	6

170 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	NA	NA	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		NA	NA	YES	YES	NA	NA
	7.5° to 15°	NA	NA			NA	NA			NA	NA
	15° to 22.5°	NA	NA			NA	NA			NA	NA
	22.5° to 30°	NA	NA			NA	NA			NA	NA
	30° to 37.5°	NA	NA			NA	NA			NA	NA
	37.5° to 45°	22	YES*			31	YES*			6	NA

140 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	140 psf Ground Snow Load 4-Module Configurations
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90 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7.5° to 15°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	15° to 22.5°	24	36	OK	OK	OK	OK	18 x 12	24	36	OK	OK	OK	OK	18 x 15
	22.5° to 30°	24	48	OK	OK	OK	OK	21 x 18	24	48	OK	OK	OK	OK	21 x 21
	30° to 37.5°	24	54	OK	OK	OK	OK	24 x 21	24	57	OK	OK	OK	OK	24 x 24
	37.5° to 45°	24	60	OK	OK	OK	OK	27 x 24	24	72	NA	OK	OK	OK	30 x 30

95 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7.5° to 15°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	15° to 22.5°	24	39	OK	OK	OK	OK	18 x 15	24	39	OK	OK	OK	OK	18 x 15
	22.5° to 30°	24	48	OK	OK	OK	OK	21 x 18	24	51	OK	OK	OK	OK	21 x 21
	30° to 37.5°	24	54	OK	OK	OK	OK	24 x 21	24	60	OK	OK	OK	OK	27 x 24
	37.5° to 45°	24	63	OK	OK	OK	OK	27 x 27	24	72	NA	OK	OK	OK	30 x 30

100 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7.5° to 15°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	15° to 22.5°	24	39	OK	OK	OK	OK	18 x 15	24	42	OK	OK	OK	OK	18 x 15
	22.5° to 30°	24	51	OK	OK	OK	OK	21 x 21	24	54	OK	OK	OK	OK	24 x 21
	30° to 37.5°	24	57	OK	OK	OK	OK	24 x 24	24	63	OK	OK	OK	OK	27 x 24
	37.5° to 45°	24	66	OK	OK	OK	OK	27 x 27	24	75	NA	OK	OK	OK	33 x 30

105 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7.5° to 15°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	15° to 22.5°	24	42	OK	OK	OK	OK	18 x 18	24	42	OK	OK	OK	OK	18 x 18
	22.5° to 30°	24	51	OK	OK	OK	OK	21 x 21	24	54	OK	OK	OK	OK	24 x 21
	30° to 37.5°	24	60	OK	OK	OK	OK	24 x 24	24	63	OK	OK	OK	OK	27 x 27
	37.5° to 45°	24	66	OK	OK	OK	OK	27 x 27	24	78	NA	OK	OK	OK	33 x 30

140 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	140 psf Ground Snow Load 4-Module Configurations
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110 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7.5° to 15°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	15° to 22.5°	24	42	OK	OK	OK	OK	18 x 18	24	42	OK	OK	OK	OK	18 x 18
	22.5° to 30°	24	54	OK	OK	OK	OK	24 x 21	24	54	OK	OK	OK	OK	24 x 21
	30° to 37.5°	24	60	OK	OK	OK	OK	27 x 24	24	66	NA	OK	OK	OK	27 x 27
	37.5° to 45°	24	66	OK	OK	OK	OK	30 x 27	24	78	NA	OK	OK	OK	33 x 33

120 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7.5° to 15°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	15° to 22.5°	24	45	OK	OK	OK	OK	21 x 18	24	45	OK	OK	OK	OK	21 x 18
	22.5° to 30°	24	57	OK	OK	OK	OK	24 x 24	24	60	OK	OK	OK	OK	24 x 24
	30° to 37.5°	24	66	NA	OK	OK	OK	27 x 27	24	69	NA	OK	OK	OK	30 x 27
	37.5° to 45°	24	66	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

130 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7.5° to 15°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	15° to 22.5°	24	48	OK	OK	OK	OK	21 x 21	24	48	OK	OK	OK	OK	21 x 21
	22.5° to 30°	24	60	NA	OK	OK	OK	27 x 24	24	60	NA	OK	OK	OK	27 x 24
	30° to 37.5°	24	69	NA	OK	OK	OK	30 x 27	24	72	NA	OK	OK	OK	30 x 30
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

140 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7.5° to 15°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	15° to 22.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	22.5° to 30°	24	66	NA	OK	OK	OK	27 x 27	24	63	NA	OK	OK	OK	27 x 27
	30° to 37.5°	24	69	NA	OK	OK	OK	30 x 30	24	72	NA	OK	OK	OK	30 x 30
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

140 psf Ground Snow Load 4-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	140 psf Ground Snow Load 4-Module Configurations
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150 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7.5° to 15°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	15° to 22.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	22.5° to 30°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	75	NA	NA	OK	OK	33 x 30
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

160 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7.5° to 15°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	15° to 22.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	22.5° to 30°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	30° to 37.5°	24	72	NA	OK	OK	OK	30 x 30	24	75	NA	NA	OK	OK	33 x 30
	37.5° to 45°	24	69	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

170 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		12-ft Long	18" Diameter		Silty Sand		Sandy Clay		12-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7.5° to 15°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	15° to 22.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	22.5° to 30°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	30° to 37.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	37.5° to 45°	24	66	NA	OK	OK	OK	30 x 27	24	78	NA	NA	OK	OK	33 x 33

0 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	0 psf Ground Snow Load 5-Module Configurations
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90 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Post Span (PS, in)	Required Braces			Max Post Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	97	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		157	YES	YES	YES	2	2
	7.5° to 15°	83	YES			148	YES			2	2
	15° to 22.5°	76	YES			125	YES			2	2
	22.5° to 30°	71	YES			108	YES*			3	3
	30° to 37.5°	70	YES			105	YES*			3	3
	37.5° to 45°	56	YES			92	YES*			3	3

95 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	93	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		157	YES	YES	YES	2	2
	7.5° to 15°	79	YES			135	YES			2	2
	15° to 22.5°	73	YES			114	YES			2	3
	22.5° to 30°	67	YES			99	YES*			3	3
	30° to 37.5°	66	YES			95	YES*			3	3
	37.5° to 45°	51	YES			82	YES*			3	3

100 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	90	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		157	YES	YES	YES	2	2
	7.5° to 15°	76	YES			124	YES			2	2
	15° to 22.5°	69	YES			104	YES			3	3
	22.5° to 30°	64	YES			90	YES*			3	3
	30° to 37.5°	63	YES*			87	YES*			3	3
	37.5° to 45°	46	YES			74	YES*			3	3

105 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	86	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		157	YES	YES	YES	2	2
	7.5° to 15°	73	YES			114	YES			2	3
	15° to 22.5°	66	YES			96	YES			3	3
	22.5° to 30°	62	YES			82	YES*			3	3
	30° to 37.5°	57	YES*			80	YES*			3	4
	37.5° to 45°	42	YES			67	YES*			3	3

110 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	83	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		149	YES	YES	YES	2	2
	7.5° to 15°	70	YES			105	YES			3	3
	15° to 22.5°	64	YES			88	YES			3	3
	22.5° to 30°	59	YES			76	YES*			3	4
	30° to 37.5°	52	YES*			73	YES*			3	4
	37.5° to 45°	38	YES			61	YES*			3	4

120 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	77	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		128	YES	YES	YES	2	2
	7.5° to 15°	65	YES			90	YES			3	3
	15° to 22.5°	59	YES			75	YES			3	4
	22.5° to 30°	55	YES*			64	YES*			4	4
	30° to 37.5°	44	YES*			62	YES*			4	4
	37.5° to 45°	32	YES			51	YES*			4	4

0 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	0 psf Ground Snow Load 5-Module Configurations
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130 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	72	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		112	YES	YES	YES	2	3
	7.5° to 15°	60	YES			78	YES			3	4
	15° to 22.5°	55	YES			65	YES			4	4
	22.5° to 30°	51	YES*			55	YES*			4	5
	30° to 37.5°	38	YES*			54	YES*			5	5
	37.5° to 45°	27	YES			44	YES*			4	5

140 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	67	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		98	YES	YES	YES	3	3
	7.5° to 15°	56	YES			68	YES			4	4
	15° to 22.5°	51	YES			56	YES			4	5
	22.5° to 30°	44	YES*			48	YES*			5	6
	30° to 37.5°	33	YES*			47	YES*			5	6
	37.5° to 45°	24	YES			38	YES*			5	6

150 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	63	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		87	YES	YES	YES	3	3
	7.5° to 15°	53	YES			60	YES			4	5
	15° to 22.5°	48	YES			50	YES			5	5
	22.5° to 30°	39	YES*			42	YES*			6	6
	30° to 37.5°	28	YES*			40	YES*			6	6
	37.5° to 45°	21	YES			33	YES*			6	6

160 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	60	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		77	YES	YES	YES	3	4
	7.5° to 15°	49	YES			53	YES			5	5
	15° to 22.5°	45	YES			44	YES			5	6
	22.5° to 30°	34	YES*			37	YES*			6	NA
	30° to 37.5°	NA	NA			NA	NA			NA	NA
	37.5° to 45°	18	YES			29	YES*			6	NA

170 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	56	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		69	YES	YES	YES	4	4
	7.5° to 15°	47	YES			47	YES			5	6
	15° to 22.5°	41	YES			39	YES			6	NA
	22.5° to 30°	NA	NA			NA	NA			NA	NA
	30° to 37.5°	NA	NA			NA	NA			NA	NA
	37.5° to 45°	NA	NA			NA	NA			NA	NA

0 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	0 psf Ground Snow Load 5-Module Configurations
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90 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	18 x 12	24	36	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	39	OK	OK	OK	OK	18 x 15	24	51	NA	OK	OK	OK	21 x 21
	15° to 22.5°	24	51	OK	OK	OK	OK	21 x 18	24	63	NA	OK	OK	OK	24 x 24
	22.5° to 30°	24	60	OK	OK	OK	OK	24 x 21	24	72	NA	OK	OK	OK	27 x 27
	30° to 37.5°	24	66	OK	OK	OK	OK	24 x 24	24	78	NA	OK	OK	OK	30 x 30
	37.5° to 45°	24	63	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

95 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 12	24	36	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	42	OK	OK	OK	OK	18 x 15	24	51	NA	OK	OK	OK	21 x 21
	15° to 22.5°	24	51	OK	OK	OK	OK	21 x 18	24	63	NA	OK	OK	OK	24 x 24
	22.5° to 30°	24	60	OK	OK	OK	OK	24 x 21	24	72	NA	OK	OK	OK	27 x 27
	30° to 37.5°	24	66	OK	OK	OK	OK	24 x 24	24	78	NA	OK	OK	OK	30 x 30
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

100 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 12	24	36	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	42	OK	OK	OK	OK	18 x 15	24	54	NA	OK	OK	OK	21 x 21
	15° to 22.5°	24	54	OK	OK	OK	OK	21 x 18	24	63	NA	OK	OK	OK	24 x 24
	22.5° to 30°	24	63	OK	OK	OK	OK	24 x 24	24	72	NA	OK	OK	OK	27 x 27
	30° to 37.5°	24	69	NA	OK	OK	OK	27 x 24	24	78	NA	NA	OK	OK	30 x 30
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

105 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 12	24	36	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	42	OK	OK	OK	OK	18 x 18	24	54	NA	OK	OK	OK	21 x 21
	15° to 22.5°	24	54	OK	OK	OK	OK	21 x 21	24	63	NA	OK	OK	OK	27 x 24
	22.5° to 30°	24	66	NA	OK	OK	OK	24 x 24	24	72	NA	OK	OK	OK	27 x 27
	30° to 37.5°	24	69	NA	OK	OK	OK	27 x 24	24	81	NA	NA	OK	OK	30 x 30
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

0 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	0 psf Ground Snow Load 5-Module Configurations
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110 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 12	24	36	OK	OK	OK	OK	18 x 18
	7.5° to 15°	24	45	OK	OK	OK	OK	18 x 18	24	54	NA	OK	OK	OK	24 x 21
	15° to 22.5°	24	54	NA	OK	OK	OK	21 x 21	24	63	NA	NA	OK	OK	27 x 24
	22.5° to 30°	24	66	NA	OK	OK	OK	24 x 24	24	75	NA	NA	OK	OK	27 x 27
	30° to 37.5°	24	69	NA	OK	OK	OK	27 x 24	24	81	NA	NA	OK	OK	30 x 30
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

120 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	18 x 12	24	36	OK	OK	OK	OK	18 x 18
	7.5° to 15°	24	48	OK	OK	OK	OK	21 x 18	24	54	NA	OK	OK	OK	24 x 21
	15° to 22.5°	24	57	NA	OK	OK	OK	24 x 21	24	66	NA	NA	OK	OK	27 x 24
	22.5° to 30°	24	69	NA	OK	OK	OK	27 x 24	24	75	NA	NA	OK	OK	27 x 27
	30° to 37.5°	24	69	NA	OK	OK	OK	27 x 24	24	81	NA	NA	OK	OK	30 x 30
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

130 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	18 x 12	24	36	OK	OK	OK	OK	18 x 18
	7.5° to 15°	24	48	OK	OK	OK	OK	21 x 18	24	54	NA	OK	OK	OK	24 x 21
	15° to 22.5°	24	60	NA	OK	OK	OK	24 x 24	24	66	NA	NA	OK	OK	27 x 24
	22.5° to 30°	24	72	NA	OK	OK	OK	27 x 27	24	75	NA	NA	OK	OK	30 x 27
	30° to 37.5°	24	69	NA	OK	OK	OK	27 x 24	24	81	NA	NA	OK	OK	30 x 30
	37.5° to 45°	24	63	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

140 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	33	OK	OK	OK	OK	18 x 12	24	36	OK	OK	OK	OK	18 x 18
	7.5° to 15°	24	51	NA	OK	OK	OK	21 x 21	24	54	NA	OK	OK	OK	24 x 21
	15° to 22.5°	24	63	NA	OK	OK	OK	24 x 24	24	66	NA	NA	OK	OK	27 x 24
	22.5° to 30°	24	72	NA	OK	OK	OK	27 x 27	24	75	NA	NA	OK	OK	30 x 27
	30° to 37.5°	24	69	NA	OK	OK	OK	27 x 24	24	81	NA	NA	OK	OK	30 x 30
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

0 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	0 psf Ground Snow Load 5-Module Configurations
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150 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	33	OK	OK	OK	OK	18 x 15	24	39	OK	OK	OK	OK	18 x 18
	7.5° to 15°	24	51	NA	OK	OK	OK	21 x 21	24	54	NA	OK	OK	OK	24 x 21
	15° to 22.5°	24	66	NA	NA	OK	OK	27 x 24	24	66	NA	NA	OK	OK	27 x 24
	22.5° to 30°	24	72	NA	OK	OK	OK	27 x 27	24	75	NA	NA	OK	OK	30 x 27
	30° to 37.5°	24	69	NA	OK	OK	OK	27 x 24	24	81	NA	NA	OK	OK	30 x 30
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

160 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	33	OK	OK	OK	OK	18 x 15	24	39	OK	OK	OK	OK	18 x 18
	7.5° to 15°	24	54	NA	OK	OK	OK	24 x 21	24	54	NA	OK	OK	OK	24 x 21
	15° to 22.5°	24	66	NA	NA	OK	OK	27 x 24	24	66	NA	NA	OK	OK	27 x 24
	22.5° to 30°	24	72	NA	OK	OK	OK	27 x 27	24	75	NA	NA	OK	OK	30 x 27
	30° to 37.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

170 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	36	OK	OK	OK	OK	18 x 15	24	39	OK	OK	OK	OK	21 x 18
	7.5° to 15°	24	54	NA	OK	OK	OK	24 x 21	24	54	NA	OK	OK	OK	24 x 21
	15° to 22.5°	24	66	NA	NA	OK	OK	27 x 27	24	66	NA	NA	OK	OK	27 x 24
	22.5° to 30°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	30° to 37.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	37.5° to 45°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

10 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	10 psf Ground Snow Load 5-Module Configurations
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90 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Post Span (PS, in)	Required Braces			Max Post Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	87	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		157	YES	YES	YES	2	2
	7.5° to 15°	82	YES			145	YES			2	2
	15° to 22.5°	76	YES			125	YES			2	2
	22.5° to 30°	71	YES			108	YES*			3	3
	30° to 37.5°	70	YES			105	YES*			3	3
	37.5° to 45°	56	YES			92	YES*			3	3

95 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	85	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay	156	YES	YES	YES	2	2	
	7.5° to 15°	79	YES		135	YES			2	2	
	15° to 22.5°	73	YES		114	YES			2	3	
	22.5° to 30°	67	YES		99	YES*			3	3	
	30° to 37.5°	66	YES		95	YES*			3	3	
	37.5° to 45°	51	YES		82	YES*			3	3	

100 mph Wind Speed		Standard Installations			Braced Installations				# of Rails Required Per Panel		
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	83	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		149	YES	YES	YES	2	2
	7.5° to 15°	76	YES			124	YES			2	2
	15° to 22.5°	69	YES			104	YES			3	3
	22.5° to 30°	64	YES			90	YES*			3	3
	30° to 37.5°	63	YES*			87	YES*			3	3
	37.5° to 45°	46	YES			74	YES*			3	3

105 mph Wind Speed		Standard Installations			Braced Installations				# of Rails Required Per Panel		
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	81	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay	141	YES	YES	YES	2	2	
	7.5° to 15°	73	YES		114	YES			2	3	
	15° to 22.5°	66	YES		96	YES			3	3	
	22.5° to 30°	62	YES		82	YES*			3	3	
	30° to 37.5°	57	YES*		80	YES*			3	4	
	37.5° to 45°	42	YES		67	YES*			3	3	

110 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	79	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		134	YES	YES	YES	2	2
	7.5° to 15°	70	YES			105	YES			3	3
	15° to 22.5°	64	YES			88	YES			3	3
	22.5° to 30°	59	YES			76	YES*			3	4
	30° to 37.5°	52	YES*			73	YES*			3	4
	37.5° to 45°	38	YES			61	YES*			3	4

120 mph Wind Speed		Standard Installations			Braced Installations				# of Rails Required Per Panel		
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	75	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay	121	YES	YES	YES	2	3	
	7.5° to 15°	65	YES		90	YES			3	3	
	15° to 22.5°	59	YES		75	YES			3	4	
	22.5° to 30°	55	YES*		64	YES*			4	4	
	30° to 37.5°	44	YES*		62	YES*			4	4	
	37.5° to 45°	32	YES		51	YES*			4	4	

10 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	10 psf Ground Snow Load 5-Module Configurations
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130 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	71	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		110	YES	YES	YES	2	3
	7.5° to 15°	60	YES			78	YES			3	4
	15° to 22.5°	55	YES			65	YES			4	4
	22.5° to 30°	51	YES*			55	YES*			4	5
	30° to 37.5°	38	YES*			54	YES*			5	5
	37.5° to 45°	27	YES			44	YES*			4	5

140 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	67	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		98	YES	YES	YES	3	3
	7.5° to 15°	56	YES			68	YES			4	4
	15° to 22.5°	51	YES			56	YES			4	5
	22.5° to 30°	44	YES*			48	YES*			5	6
	30° to 37.5°	33	YES*			47	YES*			5	6
	37.5° to 45°	24	YES			38	YES*			5	6

150 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	63	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		87	YES	YES	YES	3	3
	7.5° to 15°	53	YES			60	YES			4	5
	15° to 22.5°	48	YES			50	YES			5	5
	22.5° to 30°	39	YES*			42	YES*			6	6
	30° to 37.5°	28	YES*			40	YES*			6	6
	37.5° to 45°	21	YES			33	YES*			6	6

160 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	60	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		77	YES	YES	YES	3	4
	7.5° to 15°	49	YES			53	YES			5	5
	15° to 22.5°	45	YES			44	YES			5	6
	22.5° to 30°	34	YES*			37	YES*			6	NA
	30° to 37.5°	NA	NA			NA	NA			NA	NA
	37.5° to 45°	18	YES			29	YES*			6	NA

170 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	56	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		69	YES	YES	YES	4	4
	7.5° to 15°	47	YES			47	YES			5	6
	15° to 22.5°	41	YES			39	YES			6	NA
	22.5° to 30°	NA	NA			NA	NA			NA	NA
	30° to 37.5°	NA	NA			NA	NA			NA	NA
	37.5° to 45°	NA	NA			NA	NA			NA	NA

10 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	10 psf Ground Snow Load 5-Module Configurations
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90 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 12	24	36	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	39	OK	OK	OK	OK	18 x 15	24	51	NA	OK	OK	OK	21 x 21
	15° to 22.5°	24	51	OK	OK	OK	OK	21 x 18	24	63	NA	OK	OK	OK	24 x 24
	22.5° to 30°	24	60	OK	OK	OK	OK	24 x 21	24	72	NA	OK	OK	OK	27 x 27
	30° to 37.5°	24	66	OK	OK	OK	OK	24 x 24	24	78	NA	OK	OK	OK	30 x 30
	37.5° to 45°	24	63	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

95 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 12	24	36	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	42	OK	OK	OK	OK	18 x 15	24	51	NA	OK	OK	OK	21 x 21
	15° to 22.5°	24	51	OK	OK	OK	OK	21 x 18	24	63	NA	OK	OK	OK	24 x 24
	22.5° to 30°	24	60	OK	OK	OK	OK	24 x 21	24	72	NA	OK	OK	OK	27 x 27
	30° to 37.5°	24	66	OK	OK	OK	OK	24 x 24	24	78	NA	OK	OK	OK	30 x 30
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

100 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 12	24	36	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	42	OK	OK	OK	OK	18 x 15	24	54	NA	OK	OK	OK	21 x 21
	15° to 22.5°	24	54	OK	OK	OK	OK	21 x 18	24	63	NA	OK	OK	OK	24 x 24
	22.5° to 30°	24	63	OK	OK	OK	OK	24 x 24	24	72	NA	OK	OK	OK	27 x 27
	30° to 37.5°	24	69	NA	OK	OK	OK	27 x 24	24	78	NA	NA	OK	OK	30 x 30
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

105 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 12	24	33	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	42	OK	OK	OK	OK	18 x 18	24	54	NA	OK	OK	OK	21 x 21
	15° to 22.5°	24	54	OK	OK	OK	OK	21 x 21	24	63	NA	OK	OK	OK	27 x 24
	22.5° to 30°	24	66	NA	OK	OK	OK	24 x 24	24	72	NA	OK	OK	OK	27 x 27
	30° to 37.5°	24	69	NA	OK	OK	OK	27 x 24	24	81	NA	NA	OK	OK	30 x 30
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

10 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	10 psf Ground Snow Load 5-Module Configurations
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110 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 12	24	36	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	45	OK	OK	OK	OK	18 x 18	24	54	NA	OK	OK	OK	24 x 21
	15° to 22.5°	24	54	NA	OK	OK	OK	21 x 21	24	63	NA	NA	OK	OK	27 x 24
	22.5° to 30°	24	66	NA	OK	OK	OK	24 x 24	24	75	NA	NA	OK	OK	27 x 27
	30° to 37.5°	24	69	NA	OK	OK	OK	27 x 24	24	81	NA	NA	OK	OK	30 x 30
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

120 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	18 x 12	24	36	OK	OK	OK	OK	18 x 18
	7.5° to 15°	24	48	OK	OK	OK	OK	21 x 18	24	54	NA	OK	OK	OK	24 x 21
	15° to 22.5°	24	57	NA	OK	OK	OK	24 x 21	24	66	NA	NA	OK	OK	27 x 24
	22.5° to 30°	24	69	NA	OK	OK	OK	27 x 24	24	75	NA	NA	OK	OK	27 x 27
	30° to 37.5°	24	69	NA	OK	OK	OK	27 x 24	24	81	NA	NA	OK	OK	30 x 30
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

130 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	18 x 12	24	36	OK	OK	OK	OK	18 x 18
	7.5° to 15°	24	48	OK	OK	OK	OK	21 x 18	24	54	NA	OK	OK	OK	24 x 21
	15° to 22.5°	24	60	NA	OK	OK	OK	24 x 24	24	66	NA	NA	OK	OK	27 x 24
	22.5° to 30°	24	72	NA	OK	OK	OK	27 x 27	24	75	NA	NA	OK	OK	30 x 27
	30° to 37.5°	24	69	NA	OK	OK	OK	27 x 24	24	81	NA	NA	OK	OK	30 x 30
	37.5° to 45°	24	63	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

140 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	33	OK	OK	OK	OK	18 x 12	24	36	OK	OK	OK	OK	18 x 18
	7.5° to 15°	24	51	NA	OK	OK	OK	21 x 21	24	54	NA	OK	OK	OK	24 x 21
	15° to 22.5°	24	63	NA	OK	OK	OK	24 x 24	24	66	NA	NA	OK	OK	27 x 24
	22.5° to 30°	24	72	NA	OK	OK	OK	27 x 27	24	75	NA	NA	OK	OK	30 x 27
	30° to 37.5°	24	69	NA	OK	OK	OK	27 x 24	24	81	NA	NA	OK	OK	30 x 30
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

10 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	10 psf Ground Snow Load 5-Module Configurations
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150 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	33	OK	OK	OK	OK	18 x 15	24	39	OK	OK	OK	OK	18 x 18
	7.5° to 15°	24	51	NA	OK	OK	OK	21 x 21	24	54	NA	OK	OK	OK	24 x 21
	15° to 22.5°	24	66	NA	NA	OK	OK	27 x 24	24	66	NA	NA	OK	OK	27 x 24
	22.5° to 30°	24	72	NA	OK	OK	OK	27 x 27	24	75	NA	NA	OK	OK	30 x 27
	30° to 37.5°	24	69	NA	OK	OK	OK	27 x 24	24	81	NA	NA	OK	OK	30 x 30
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

160 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	33	OK	OK	OK	OK	18 x 15	24	39	OK	OK	OK	OK	18 x 18
	7.5° to 15°	24	54	NA	OK	OK	OK	24 x 21	24	54	NA	OK	OK	OK	24 x 21
	15° to 22.5°	24	66	NA	NA	OK	OK	27 x 24	24	66	NA	NA	OK	OK	27 x 24
	22.5° to 30°	24	72	NA	OK	OK	OK	27 x 27	24	75	NA	NA	OK	OK	30 x 27
	30° to 37.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

170 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	36	OK	OK	OK	OK	18 x 15	24	39	OK	OK	OK	OK	21 x 18
	7.5° to 15°	24	54	NA	OK	OK	OK	24 x 21	24	54	NA	OK	OK	OK	24 x 21
	15° to 22.5°	24	66	NA	NA	OK	OK	27 x 27	24	66	NA	NA	OK	OK	27 x 24
	22.5° to 30°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	30° to 37.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	37.5° to 45°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

20 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	20 psf Ground Snow Load 5-Module Configurations
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90 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Post Span (PS, in)	Required Braces			Max Post Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	75	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		122	YES	YES	YES	2	3
	7.5° to 15°	74	YES			118	YES			2	3
	15° to 22.5°	72	YES			113	YES			2	3
	22.5° to 30°	71	YES			108	YES*			3	3
	30° to 37.5°	70	YES			105	YES*			3	3
	37.5° to 45°	56	YES			92	YES*			3	3

95 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	74	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		118	YES	YES	YES	2	3
	7.5° to 15°	72	YES			112	YES			2	3
	15° to 22.5°	70	YES			106	YES			3	3
	22.5° to 30°	67	YES			99	YES*			3	3
	30° to 37.5°	66	YES			95	YES*			3	3
	37.5° to 45°	51	YES			82	YES*			3	3

100 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	72	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		113	YES	YES	YES	2	3
	7.5° to 15°	70	YES			106	YES			3	3
	15° to 22.5°	68	YES			99	YES			3	3
	22.5° to 30°	64	YES			90	YES*			3	3
	30° to 37.5°	63	YES*			87	YES*			3	3
	37.5° to 45°	46	YES			74	YES*			3	3

105 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	71	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		109	YES	YES	YES	3	3
	7.5° to 15°	68	YES			100	YES			3	3
	15° to 22.5°	66	YES			93	YES			3	3
	22.5° to 30°	62	YES			82	YES*			3	3
	30° to 37.5°	57	YES*			80	YES*			3	4
	37.5° to 45°	42	YES			67	YES*			3	3

110 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	70	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		105	YES	YES	YES	3	3
	7.5° to 15°	66	YES			95	YES			3	3
	15° to 22.5°	64	YES			88	YES			3	3
	22.5° to 30°	59	YES			76	YES*			3	4
	30° to 37.5°	52	YES*			73	YES*			3	4
	37.5° to 45°	38	YES			61	YES*			3	4

120 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	67	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		97	YES	YES	YES	3	3
	7.5° to 15°	63	YES			85	YES			3	3
	15° to 22.5°	59	YES			75	YES			3	4
	22.5° to 30°	55	YES*			64	YES*			4	4
	30° to 37.5°	44	YES*			62	YES*			4	4
	37.5° to 45°	32	YES			51	YES*			4	4

20 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	20 psf Ground Snow Load 5-Module Configurations
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130 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	64	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		89	YES	YES	YES	3	3
	7.5° to 15°	60	YES			77	YES			3	4
	15° to 22.5°	55	YES			65	YES			4	4
	22.5° to 30°	51	YES*			55	YES*			4	5
	30° to 37.5°	38	YES*			54	YES*			5	5
	37.5° to 45°	27	YES			44	YES*			4	5

140 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	62	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		82	YES	YES	YES	3	3
	7.5° to 15°	56	YES			68	YES			4	4
	15° to 22.5°	51	YES			56	YES			4	5
	22.5° to 30°	44	YES*			48	YES*			5	6
	30° to 37.5°	33	YES*			47	YES*			5	6
	37.5° to 45°	24	YES			38	YES*			5	6

150 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	59	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		76	YES	YES	YES	3	4
	7.5° to 15°	53	YES			60	YES			4	5
	15° to 22.5°	48	YES			50	YES			5	5
	22.5° to 30°	39	YES*			42	YES*			6	6
	30° to 37.5°	28	YES*			40	YES*			6	6
	37.5° to 45°	21	YES			33	YES*			6	6

160 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	57	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		70	YES	YES	YES	4	4
	7.5° to 15°	49	YES			53	YES			5	5
	15° to 22.5°	45	YES			44	YES			5	6
	22.5° to 30°	34	YES*			37	YES*			6	NA
	30° to 37.5°	NA	NA			NA	NA			NA	NA
	37.5° to 45°	18	YES			29	YES*			6	NA

170 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	55	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		65	YES	YES	YES	4	4
	7.5° to 15°	47	YES			47	YES			5	6
	15° to 22.5°	41	YES			39	YES			6	NA
	22.5° to 30°	NA	NA			NA	NA			NA	NA
	30° to 37.5°	NA	NA			NA	NA			NA	NA
	37.5° to 45°	NA	NA			NA	NA			NA	NA

20 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	20 psf Ground Snow Load 5-Module Configurations
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90 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 12	24	33	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	39	OK	OK	OK	OK	18 x 12	24	48	OK	OK	OK	OK	21 x 18
	15° to 22.5°	24	48	OK	OK	OK	OK	18 x 18	24	60	NA	OK	OK	OK	24 x 21
	22.5° to 30°	24	60	OK	OK	OK	OK	24 x 21	24	72	NA	OK	OK	OK	27 x 27
	30° to 37.5°	24	66	OK	OK	OK	OK	24 x 24	24	78	NA	OK	OK	OK	30 x 30
	37.5° to 45°	24	63	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

95 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	39	OK	OK	OK	OK	18 x 15	24	48	OK	OK	OK	OK	21 x 18
	15° to 22.5°	24	51	OK	OK	OK	OK	21 x 18	24	60	NA	OK	OK	OK	24 x 24
	22.5° to 30°	24	60	OK	OK	OK	OK	24 x 21	24	72	NA	OK	OK	OK	27 x 27
	30° to 37.5°	24	66	OK	OK	OK	OK	24 x 24	24	78	NA	OK	OK	OK	30 x 30
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

100 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	42	OK	OK	OK	OK	18 x 15	24	48	OK	OK	OK	OK	21 x 18
	15° to 22.5°	24	51	OK	OK	OK	OK	21 x 18	24	63	NA	OK	OK	OK	24 x 24
	22.5° to 30°	24	63	OK	OK	OK	OK	24 x 24	24	72	NA	OK	OK	OK	27 x 27
	30° to 37.5°	24	69	NA	OK	OK	OK	27 x 24	24	78	NA	NA	OK	OK	30 x 30
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

105 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	42	OK	OK	OK	OK	18 x 15	24	51	NA	OK	OK	OK	21 x 21
	15° to 22.5°	24	54	OK	OK	OK	OK	21 x 21	24	63	NA	OK	OK	OK	24 x 24
	22.5° to 30°	24	66	NA	OK	OK	OK	24 x 24	24	72	NA	OK	OK	OK	27 x 27
	30° to 37.5°	24	69	NA	OK	OK	OK	27 x 24	24	81	NA	NA	OK	OK	30 x 30
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

20 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	20 psf Ground Snow Load 5-Module Configurations
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110 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	42	OK	OK	OK	OK	18 x 18	24	51	NA	OK	OK	OK	21 x 21
	15° to 22.5°	24	54	NA	OK	OK	OK	21 x 21	24	63	NA	NA	OK	OK	27 x 24
	22.5° to 30°	24	66	NA	OK	OK	OK	24 x 24	24	75	NA	NA	OK	OK	27 x 27
	30° to 37.5°	24	69	NA	OK	OK	OK	27 x 24	24	81	NA	NA	OK	OK	30 x 30
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

120 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 12	24	33	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	45	OK	OK	OK	OK	18 x 18	24	54	NA	OK	OK	OK	21 x 21
	15° to 22.5°	24	57	NA	OK	OK	OK	24 x 21	24	66	NA	NA	OK	OK	27 x 24
	22.5° to 30°	24	69	NA	OK	OK	OK	27 x 24	24	75	NA	NA	OK	OK	27 x 27
	30° to 37.5°	24	69	NA	OK	OK	OK	27 x 24	24	81	NA	NA	OK	OK	30 x 30
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

130 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	18 x 12	24	33	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	48	OK	OK	OK	OK	21 x 18	24	54	NA	OK	OK	OK	24 x 21
	15° to 22.5°	24	60	NA	OK	OK	OK	24 x 24	24	66	NA	NA	OK	OK	27 x 24
	22.5° to 30°	24	72	NA	OK	OK	OK	27 x 27	24	75	NA	NA	OK	OK	30 x 27
	30° to 37.5°	24	69	NA	OK	OK	OK	27 x 24	24	81	NA	NA	OK	OK	30 x 30
	37.5° to 45°	24	63	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

140 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	18 x 12	24	36	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	51	NA	OK	OK	OK	21 x 21	24	54	NA	OK	OK	OK	24 x 21
	15° to 22.5°	24	63	NA	OK	OK	OK	24 x 24	24	66	NA	NA	OK	OK	27 x 24
	22.5° to 30°	24	72	NA	OK	OK	OK	27 x 27	24	75	NA	NA	OK	OK	30 x 27
	30° to 37.5°	24	69	NA	OK	OK	OK	27 x 24	24	81	NA	NA	OK	OK	30 x 30
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

20 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	20 psf Ground Snow Load 5-Module Configurations
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150 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	33	OK	OK	OK	OK	18 x 12	24	36	OK	OK	OK	OK	18 x 18
	7.5° to 15°	24	51	NA	OK	OK	OK	21 x 21	24	54	NA	OK	OK	OK	24 x 21
	15° to 22.5°	24	66	NA	NA	OK	OK	27 x 24	24	66	NA	NA	OK	OK	27 x 24
	22.5° to 30°	24	72	NA	OK	OK	OK	27 x 27	24	75	NA	NA	OK	OK	30 x 27
	30° to 37.5°	24	69	NA	OK	OK	OK	27 x 24	24	81	NA	NA	OK	OK	30 x 30
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

160 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	33	OK	OK	OK	OK	18 x 15	24	36	OK	OK	OK	OK	18 x 18
	7.5° to 15°	24	54	NA	OK	OK	OK	24 x 21	24	54	NA	OK	OK	OK	24 x 21
	15° to 22.5°	24	66	NA	NA	OK	OK	27 x 24	24	66	NA	NA	OK	OK	27 x 24
	22.5° to 30°	24	72	NA	OK	OK	OK	27 x 27	24	75	NA	NA	OK	OK	30 x 27
	30° to 37.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

170 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	36	OK	OK	OK	OK	18 x 15	24	36	OK	OK	OK	OK	18 x 18
	7.5° to 15°	24	54	NA	OK	OK	OK	24 x 21	24	54	NA	OK	OK	OK	24 x 21
	15° to 22.5°	24	66	NA	NA	OK	OK	27 x 27	24	66	NA	NA	OK	OK	27 x 24
	22.5° to 30°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	30° to 37.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	37.5° to 45°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

30 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	30 psf Ground Snow Load 5-Module Configurations
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90 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Post Span (PS, in)	Required Braces			Max Post Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	71	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay	108	YES	YES	YES	3	3	
	7.5° to 15°	68	YES		100	YES			3	3	
	15° to 22.5°	67	YES		99	YES			3	3	
	22.5° to 30°	67	YES		98	YES*			3	3	
	30° to 37.5°	69	YES		103	YES*			3	3	
	37.5° to 45°	56	YES		92	YES*			3	3	

95 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	70	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay	105	YES	YES	YES	3	3	
	7.5° to 15°	66	YES		95	YES			3	3	
	15° to 22.5°	66	YES		93	YES			3	3	
	22.5° to 30°	65	YES		91	YES*			3	3	
	30° to 37.5°	66	YES		95	YES*			3	3	
	37.5° to 45°	51	YES		82	YES*			3	3	

100 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	68	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay	101	YES	YES	YES	3	3	
	7.5° to 15°	65	YES		91	YES			3	3	
	15° to 22.5°	64	YES		88	YES			3	3	
	22.5° to 30°	63	YES		86	YES*			3	3	
	30° to 37.5°	63	YES*		87	YES*			3	3	
	37.5° to 45°	46	YES		74	YES*			3	3	

105 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	67	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay	98	YES	YES	YES	3	3	
	7.5° to 15°	63	YES		87	YES			3	3	
	15° to 22.5°	62	YES		83	YES			3	3	
	22.5° to 30°	61	YES		80	YES*			3	4	
	30° to 37.5°	57	YES*		80	YES*			3	4	
	37.5° to 45°	42	YES		67	YES*			3	3	

110 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	66	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay	94	YES	YES	YES	3	3	
	7.5° to 15°	62	YES		83	YES			3	3	
	15° to 22.5°	60	YES		79	YES			3	4	
	22.5° to 30°	59	YES		75	YES*			3	4	
	30° to 37.5°	52	YES*		73	YES*			3	4	
	37.5° to 45°	38	YES		61	YES*			3	4	

120 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	64	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay	88	YES	YES	YES	3	3	
	7.5° to 15°	59	YES		75	YES			3	4	
	15° to 22.5°	57	YES		71	YES			4	4	
	22.5° to 30°	55	YES*		64	YES*			4	4	
	30° to 37.5°	44	YES*		62	YES*			4	4	
	37.5° to 45°	32	YES		51	YES*			4	4	

30 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	30 psf Ground Snow Load 5-Module Configurations
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130 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	61	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		81	YES	YES	YES	3	4
	7.5° to 15°	56	YES			69	YES			4	4
	15° to 22.5°	54	YES			64	YES			4	4
	22.5° to 30°	51	YES*			55	YES*			4	5
	30° to 37.5°	38	YES*			54	YES*			5	5
	37.5° to 45°	27	YES			44	YES*			4	5

140 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	59	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		76	YES	YES	YES	3	4
	7.5° to 15°	54	YES			63	YES			4	4
	15° to 22.5°	51	YES			56	YES			4	5
	22.5° to 30°	44	YES*			48	YES*			5	6
	30° to 37.5°	33	YES*			47	YES*			5	6
	37.5° to 45°	24	YES			38	YES*			5	6

150 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	57	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		70	YES	YES	YES	4	4
	7.5° to 15°	51	YES			57	YES			4	5
	15° to 22.5°	48	YES			50	YES			5	5
	22.5° to 30°	39	YES*			42	YES*			6	6
	30° to 37.5°	28	YES*			40	YES*			6	6
	37.5° to 45°	21	YES			33	YES*			6	6

160 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	55	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		65	YES	YES	YES	4	4
	7.5° to 15°	49	YES			52	YES			5	5
	15° to 22.5°	45	YES			44	YES			5	6
	22.5° to 30°	34	YES*			37	YES*			6	NA
	30° to 37.5°	NA	NA			NA	NA			NA	NA
	37.5° to 45°	18	YES			29	YES*			6	NA

170 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	53	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		61	YES	YES	YES	4	5
	7.5° to 15°	47	YES			47	YES			5	6
	15° to 22.5°	41	YES			39	YES			6	NA
	22.5° to 30°	NA	NA			NA	NA			NA	NA
	30° to 37.5°	NA	NA			NA	NA			NA	NA
	37.5° to 45°	NA	NA			NA	NA			NA	NA

30 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	30 psf Ground Snow Load 5-Module Configurations
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90 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	36	OK	OK	OK	OK	18 x 12	24	42	OK	OK	OK	OK	18 x 18
	15° to 22.5°	24	48	OK	OK	OK	OK	18 x 18	24	57	NA	OK	OK	OK	21 x 21
	22.5° to 30°	24	57	OK	OK	OK	OK	21 x 21	24	69	NA	OK	OK	OK	27 x 24
	30° to 37.5°	24	66	OK	OK	OK	OK	24 x 24	24	78	NA	OK	OK	OK	30 x 27
	37.5° to 45°	24	63	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

95 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	39	OK	OK	OK	OK	18 x 12	24	45	OK	OK	OK	OK	18 x 18
	15° to 22.5°	24	48	OK	OK	OK	OK	18 x 18	24	57	NA	OK	OK	OK	24 x 21
	22.5° to 30°	24	60	OK	OK	OK	OK	24 x 21	24	69	NA	OK	OK	OK	27 x 27
	30° to 37.5°	24	66	OK	OK	OK	OK	24 x 24	24	78	NA	OK	OK	OK	30 x 30
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

100 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	39	OK	OK	OK	OK	18 x 15	24	45	OK	OK	OK	OK	18 x 18
	15° to 22.5°	24	51	OK	OK	OK	OK	21 x 18	24	60	NA	OK	OK	OK	24 x 21
	22.5° to 30°	24	63	OK	OK	OK	OK	24 x 21	24	72	NA	OK	OK	OK	27 x 27
	30° to 37.5°	24	69	NA	OK	OK	OK	27 x 24	24	78	NA	NA	OK	OK	30 x 30
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

105 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	42	OK	OK	OK	OK	18 x 15	24	48	OK	OK	OK	OK	21 x 18
	15° to 22.5°	24	54	OK	OK	OK	OK	21 x 18	24	60	NA	OK	OK	OK	24 x 21
	22.5° to 30°	24	63	NA	OK	OK	OK	24 x 24	24	72	NA	OK	OK	OK	27 x 27
	30° to 37.5°	24	69	NA	OK	OK	OK	27 x 24	24	81	NA	NA	OK	OK	30 x 30
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

30 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	30 psf Ground Snow Load 5-Module Configurations
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110 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	42	OK	OK	OK	OK	18 x 15	24	48	OK	OK	OK	OK	21 x 18
	15° to 22.5°	24	54	OK	OK	OK	OK	21 x 21	24	60	NA	OK	OK	OK	24 x 24
	22.5° to 30°	24	66	NA	OK	OK	OK	24 x 24	24	75	NA	OK	OK	OK	27 x 27
	30° to 37.5°	24	69	NA	OK	OK	OK	27 x 24	24	81	NA	NA	OK	OK	30 x 30
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

120 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	45	OK	OK	OK	OK	18 x 18	24	48	NA	OK	OK	OK	21 x 21
	15° to 22.5°	24	57	NA	OK	OK	OK	24 x 21	24	63	NA	OK	OK	OK	24 x 24
	22.5° to 30°	24	69	NA	OK	OK	OK	27 x 24	24	75	NA	NA	OK	OK	27 x 27
	30° to 37.5°	24	69	NA	OK	OK	OK	27 x 24	24	81	NA	NA	OK	OK	30 x 30
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

130 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	18 x 12	24	33	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	48	OK	OK	OK	OK	21 x 18	24	51	NA	OK	OK	OK	21 x 21
	15° to 22.5°	24	60	NA	OK	OK	OK	24 x 24	24	66	NA	NA	OK	OK	27 x 24
	22.5° to 30°	24	72	NA	OK	OK	OK	27 x 27	24	75	NA	NA	OK	OK	30 x 27
	30° to 37.5°	24	69	NA	OK	OK	OK	27 x 24	24	81	NA	NA	OK	OK	30 x 30
	37.5° to 45°	24	63	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

140 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	18 x 12	24	33	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	48	NA	OK	OK	OK	21 x 18	24	54	NA	OK	OK	OK	21 x 21
	15° to 22.5°	24	63	NA	OK	OK	OK	24 x 24	24	66	NA	NA	OK	OK	27 x 24
	22.5° to 30°	24	72	NA	OK	OK	OK	27 x 27	24	75	NA	NA	OK	OK	30 x 27
	30° to 37.5°	24	69	NA	OK	OK	OK	27 x 24	24	81	NA	NA	OK	OK	30 x 30
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

30 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	30 psf Ground Snow Load 5-Module Configurations
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150 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	18 x 12	24	36	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	51	NA	OK	OK	OK	21 x 21	24	54	NA	OK	OK	OK	24 x 21
	15° to 22.5°	24	66	NA	NA	OK	OK	27 x 24	24	66	NA	NA	OK	OK	27 x 24
	22.5° to 30°	24	72	NA	OK	OK	OK	27 x 27	24	75	NA	NA	OK	OK	30 x 27
	30° to 37.5°	24	69	NA	OK	OK	OK	27 x 24	24	81	NA	NA	OK	OK	30 x 30
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

160 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	33	OK	OK	OK	OK	18 x 15	24	36	OK	OK	OK	OK	18 x 18
	7.5° to 15°	24	54	NA	OK	OK	OK	24 x 21	24	54	NA	OK	OK	OK	24 x 21
	15° to 22.5°	24	66	NA	NA	OK	OK	27 x 24	24	66	NA	NA	OK	OK	27 x 24
	22.5° to 30°	24	72	NA	OK	OK	OK	27 x 27	24	75	NA	NA	OK	OK	30 x 27
	30° to 37.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

170 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	33	OK	OK	OK	OK	18 x 15	24	36	OK	OK	OK	OK	18 x 18
	7.5° to 15°	24	54	NA	OK	OK	OK	24 x 21	24	54	NA	OK	OK	OK	24 x 21
	15° to 22.5°	24	66	NA	NA	OK	OK	27 x 27	24	66	NA	NA	OK	OK	27 x 24
	22.5° to 30°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	30° to 37.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	37.5° to 45°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

40 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	40 psf Ground Snow Load 5-Module Configurations
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90 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Post Span (PS, in)	Required Braces			Max Post Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	67	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		97	YES	YES	YES	3	3
	7.5° to 15°	63	YES			86	YES			3	3
	15° to 22.5°	64	YES			88	YES			3	3
	22.5° to 30°	64	YES			89	YES			3	3
	30° to 37.5°	66	YES			96	YES*			3	3
	37.5° to 45°	56	YES			92	YES*			3	3

95 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	66	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		94	YES	YES	YES	3	3
	7.5° to 15°	62	YES			83	YES			3	3
	15° to 22.5°	62	YES			83	YES			3	3
	22.5° to 30°	62	YES			84	YES			3	3
	30° to 37.5°	64	YES			89	YES*			3	3
	37.5° to 45°	51	YES			82	YES*			3	3

100 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	65	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		91	YES	YES	YES	3	3
	7.5° to 15°	61	YES			80	YES			3	4
	15° to 22.5°	60	YES			79	YES			3	4
	22.5° to 30°	60	YES			79	YES*			3	4
	30° to 37.5°	62	YES*			84	YES*			3	3
	37.5° to 45°	46	YES			74	YES*			3	3

105 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	64	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		88	YES	YES	YES	3	3
	7.5° to 15°	59	YES			76	YES			3	4
	15° to 22.5°	59	YES			75	YES			3	4
	22.5° to 30°	59	YES			74	YES*			3	4
	30° to 37.5°	57	YES*			79	YES*			3	4
	37.5° to 45°	42	YES			67	YES*			3	3

110 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	63	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		85	YES	YES	YES	3	3
	7.5° to 15°	58	YES			73	YES			3	4
	15° to 22.5°	58	YES			72	YES			4	4
	22.5° to 30°	57	YES			70	YES*			4	4
	30° to 37.5°	52	YES*			73	YES*			3	4
	37.5° to 45°	38	YES			61	YES*			3	4

120 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	61	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		80	YES	YES	YES	3	4
	7.5° to 15°	56	YES			67	YES			4	4
	15° to 22.5°	55	YES			65	YES			4	4
	22.5° to 30°	54	YES*			63	YES*			4	4
	30° to 37.5°	44	YES*			62	YES*			4	4
	37.5° to 45°	32	YES			51	YES*			4	4

40 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	40 psf Ground Snow Load 5-Module Configurations
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130 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	59	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		75	YES	YES	YES	3	4
	7.5° to 15°	53	YES			62	YES			4	4
	15° to 22.5°	52	YES			59	YES			4	5
	22.5° to 30°	51	YES*			55	YES*			4	5
	30° to 37.5°	38	YES*			54	YES*			5	5
	37.5° to 45°	27	YES			44	YES*			4	5

140 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	57	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		70	YES	YES	YES	4	4
	7.5° to 15°	51	YES			57	YES			4	5
	15° to 22.5°	50	YES			53	YES			5	5
	22.5° to 30°	44	YES*			48	YES*			5	6
	30° to 37.5°	33	YES*			47	YES*			5	6
	37.5° to 45°	24	YES			38	YES*			5	6

150 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	55	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		65	YES	YES	YES	4	4
	7.5° to 15°	49	YES			52	YES			5	5
	15° to 22.5°	47	YES			49	YES			5	6
	22.5° to 30°	39	YES*			42	YES*			6	6
	30° to 37.5°	28	YES*			40	YES*			6	6
	37.5° to 45°	21	YES			33	YES*			6	6

160 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	53	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		61	YES	YES	YES	4	5
	7.5° to 15°	47	YES			48	YES			5	6
	15° to 22.5°	45	YES			44	YES			5	6
	22.5° to 30°	34	YES*			37	YES*			6	NA
	30° to 37.5°	NA	NA			NA	NA			NA	NA
	37.5° to 45°	18	YES			29	YES*			6	NA

170 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	51	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		57	YES	YES	YES	4	5
	7.5° to 15°	45	YES			45	YES			5	6
	15° to 22.5°	41	YES			39	YES			6	NA
	22.5° to 30°	NA	NA			NA	NA			NA	NA
	30° to 37.5°	NA	NA			NA	NA			NA	NA
	37.5° to 45°	NA	NA			NA	NA			NA	NA

40 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	40 psf Ground Snow Load 5-Module Configurations
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90 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	36	OK	OK	OK	OK	18 x 12	24	42	OK	OK	OK	OK	18 x 15
	15° to 22.5°	24	45	OK	OK	OK	OK	18 x 18	24	54	OK	OK	OK	OK	21 x 21
	22.5° to 30°	24	57	OK	OK	OK	OK	21 x 21	24	66	NA	OK	OK	OK	24 x 24
	30° to 37.5°	24	63	OK	OK	OK	OK	24 x 24	24	75	NA	OK	OK	OK	30 x 27
	37.5° to 45°	24	63	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

95 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	36	OK	OK	OK	OK	18 x 12	24	42	OK	OK	OK	OK	18 x 15
	15° to 22.5°	24	48	OK	OK	OK	OK	18 x 18	24	54	OK	OK	OK	OK	21 x 21
	22.5° to 30°	24	60	OK	OK	OK	OK	24 x 21	24	69	NA	OK	OK	OK	27 x 24
	30° to 37.5°	24	66	OK	OK	OK	OK	24 x 24	24	78	NA	OK	OK	OK	30 x 27
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

100 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	39	OK	OK	OK	OK	18 x 12	24	42	OK	OK	OK	OK	18 x 18
	15° to 22.5°	24	48	OK	OK	OK	OK	21 x 18	24	57	NA	OK	OK	OK	21 x 21
	22.5° to 30°	24	60	OK	OK	OK	OK	24 x 21	24	69	NA	OK	OK	OK	27 x 24
	30° to 37.5°	24	66	OK	OK	OK	OK	27 x 24	24	78	NA	OK	OK	OK	30 x 27
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

105 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	39	OK	OK	OK	OK	18 x 15	24	45	OK	OK	OK	OK	18 x 18
	15° to 22.5°	24	51	OK	OK	OK	OK	21 x 18	24	57	NA	OK	OK	OK	24 x 21
	22.5° to 30°	24	63	OK	OK	OK	OK	24 x 24	24	69	NA	OK	OK	OK	27 x 24
	30° to 37.5°	24	69	NA	OK	OK	OK	27 x 24	24	78	NA	NA	OK	OK	30 x 30
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

40 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	40 psf Ground Snow Load 5-Module Configurations
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110 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	42	OK	OK	OK	OK	18 x 15	24	45	OK	OK	OK	OK	18 x 18
	15° to 22.5°	24	54	OK	OK	OK	OK	21 x 21	24	60	NA	OK	OK	OK	24 x 21
	22.5° to 30°	24	66	NA	OK	OK	OK	24 x 24	24	72	NA	OK	OK	OK	27 x 27
	30° to 37.5°	24	69	NA	OK	OK	OK	27 x 24	24	81	NA	NA	OK	OK	30 x 30
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

120 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	42	OK	OK	OK	OK	18 x 18	24	48	OK	OK	OK	OK	21 x 18
	15° to 22.5°	24	57	NA	OK	OK	OK	21 x 21	24	60	NA	OK	OK	OK	24 x 24
	22.5° to 30°	24	69	NA	OK	OK	OK	27 x 24	24	75	NA	NA	OK	OK	27 x 27
	30° to 37.5°	24	69	NA	OK	OK	OK	27 x 24	24	81	NA	NA	OK	OK	30 x 30
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

130 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	45	OK	OK	OK	OK	18 x 18	24	48	OK	OK	OK	OK	21 x 18
	15° to 22.5°	24	60	NA	OK	OK	OK	24 x 21	24	63	NA	OK	OK	OK	24 x 24
	22.5° to 30°	24	72	NA	OK	OK	OK	27 x 27	24	75	NA	NA	OK	OK	30 x 27
	30° to 37.5°	24	69	NA	OK	OK	OK	27 x 24	24	81	NA	NA	OK	OK	30 x 30
	37.5° to 45°	24	63	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

140 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	18 x 12	24	33	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	48	OK	OK	OK	OK	21 x 18	24	51	NA	OK	OK	OK	21 x 21
	15° to 22.5°	24	63	NA	OK	OK	OK	24 x 24	24	63	NA	NA	OK	OK	27 x 24
	22.5° to 30°	24	72	NA	OK	OK	OK	27 x 27	24	75	NA	NA	OK	OK	30 x 27
	30° to 37.5°	24	69	NA	OK	OK	OK	27 x 24	24	81	NA	NA	OK	OK	30 x 30
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

40 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	40 psf Ground Snow Load 5-Module Configurations
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150 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	18 x 12	24	33	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	51	NA	OK	OK	OK	21 x 21	24	51	NA	OK	OK	OK	21 x 21
	15° to 22.5°	24	63	NA	NA	OK	OK	27 x 24	24	66	NA	NA	OK	OK	27 x 24
	22.5° to 30°	24	72	NA	OK	OK	OK	27 x 27	24	75	NA	NA	OK	OK	30 x 27
	30° to 37.5°	24	69	NA	OK	OK	OK	27 x 24	24	81	NA	NA	OK	OK	30 x 30
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

160 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	33	OK	OK	OK	OK	18 x 15	24	33	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	51	NA	OK	OK	OK	21 x 21	24	54	NA	OK	OK	OK	21 x 21
	15° to 22.5°	24	66	NA	NA	OK	OK	27 x 24	24	66	NA	NA	OK	OK	27 x 24
	22.5° to 30°	24	72	NA	OK	OK	OK	27 x 27	24	75	NA	NA	OK	OK	30 x 27
	30° to 37.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

170 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	33	OK	OK	OK	OK	18 x 15	24	36	OK	OK	OK	OK	18 x 18
	7.5° to 15°	24	54	NA	OK	OK	OK	24 x 21	24	54	NA	OK	OK	OK	24 x 21
	15° to 22.5°	24	66	NA	NA	OK	OK	27 x 27	24	66	NA	NA	OK	OK	27 x 24
	22.5° to 30°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	30° to 37.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	37.5° to 45°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

50 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	50 psf Ground Snow Load 5-Module Configurations
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90 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Post Span (PS, in)	Required Braces			Max Post Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	62	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		84	YES	YES	YES	3	3
	7.5° to 15°	59	YES			76	YES			3	4
	15° to 22.5°	60	YES			79	YES			3	4
	22.5° to 30°	61	YES			81	YES			3	4
	30° to 37.5°	64	YES			89	YES*			3	3
	37.5° to 45°	56	YES			92	YES*			3	3

95 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	61	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		82	YES	YES	YES	3	4
	7.5° to 15°	58	YES			73	YES			3	4
	15° to 22.5°	59	YES			75	YES			3	4
	22.5° to 30°	60	YES			77	YES			3	4
	30° to 37.5°	62	YES			84	YES*			3	3
	37.5° to 45°	51	YES			82	YES*			3	3

100 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	61	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		79	YES	YES	YES	3	4
	7.5° to 15°	57	YES			71	YES			4	4
	15° to 22.5°	58	YES			72	YES			4	4
	22.5° to 30°	58	YES			73	YES			3	4
	30° to 37.5°	60	YES			79	YES*			3	4
	37.5° to 45°	46	YES			74	YES*			3	3

105 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	60	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		77	YES	YES	YES	3	4
	7.5° to 15°	56	YES			68	YES			4	4
	15° to 22.5°	56	YES			69	YES			4	4
	22.5° to 30°	56	YES			69	YES*			4	4
	30° to 37.5°	57	YES*			74	YES*			3	4
	37.5° to 45°	42	YES			67	YES*			3	3

110 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	59	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		75	YES	YES	YES	3	4
	7.5° to 15°	55	YES			66	YES			4	4
	15° to 22.5°	55	YES			66	YES			4	4
	22.5° to 30°	55	YES			65	YES*			4	4
	30° to 37.5°	52	YES*			70	YES*			4	4
	37.5° to 45°	38	YES			61	YES*			3	4

120 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	57	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		71	YES	YES	YES	4	4
	7.5° to 15°	53	YES			61	YES			4	5
	15° to 22.5°	53	YES			60	YES			4	5
	22.5° to 30°	52	YES			59	YES*			4	5
	30° to 37.5°	44	YES*			62	YES*			4	4
	37.5° to 45°	32	YES			51	YES*			4	4

50 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	50 psf Ground Snow Load 5-Module Configurations
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130 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	55	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		67	YES	YES	YES	4	4
	7.5° to 15°	51	YES			56	YES			4	5
	15° to 22.5°	50	YES			55	YES			4	5
	22.5° to 30°	49	YES*			53	YES*			5	5
	30° to 37.5°	38	YES*			54	YES*			5	5
	37.5° to 45°	27	YES			44	YES*			4	5

140 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	54	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay	63	YES	YES	YES	4	4	
	7.5° to 15°	49	YES		52	YES			5	5	
	15° to 22.5°	48	YES		50	YES			5	5	
	22.5° to 30°	44	YES*		48	YES*			5	6	
	30° to 37.5°	33	YES*		47	YES*			5	6	
	37.5° to 45°	24	YES		38	YES*			5	6	

150 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	52	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		59	YES	YES	YES	4	5
	7.5° to 15°	47	YES			48	YES			5	6
	15° to 22.5°	46	YES			46	YES			5	6
	22.5° to 30°	39	YES*			42	YES*			6	6
	30° to 37.5°	28	YES*			40	YES*			6	6
	37.5° to 45°	21	YES			33	YES*			6	6

160 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	51	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay	56	YES	YES	YES	4	5	
	7.5° to 15°	46	YES		45	YES			5	6	
	15° to 22.5°	44	YES		42	YES			6	6	
	22.5° to 30°	34	YES*		37	YES*			6	NA	
	30° to 37.5°	NA	NA		NA	NA			NA	NA	
	37.5° to 45°	18	YES		29	YES*			6	NA	

170 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	49	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay	52	YES	YES	YES	5	5	
	7.5° to 15°	44	YES		42	YES			6	6	
	15° to 22.5°	41	YES		39	YES			6	NA	
	22.5° to 30°	NA	NA		NA	NA			NA	NA	
	30° to 37.5°	NA	NA		NA	NA			NA	NA	
	37.5° to 45°	NA	NA		NA	NA			NA	NA	NA

50 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	50 psf Ground Snow Load 5-Module Configurations
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90 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	33	OK	OK	OK	OK	18 x 12	24	39	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	45	OK	OK	OK	OK	18 x 15	24	51	OK	OK	OK	OK	21 x 18
	22.5° to 30°	24	54	OK	OK	OK	OK	21 x 21	24	63	OK	OK	OK	OK	24 x 24
	30° to 37.5°	24	63	OK	OK	OK	OK	24 x 21	24	72	NA	OK	OK	OK	27 x 27
	37.5° to 45°	24	63	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

95 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	36	OK	OK	OK	OK	18 x 12	24	39	OK	OK	OK	OK	18 x 15
	15° to 22.5°	24	48	OK	OK	OK	OK	18 x 18	24	51	OK	OK	OK	OK	21 x 18
	22.5° to 30°	24	57	OK	OK	OK	OK	21 x 21	24	66	NA	OK	OK	OK	24 x 24
	30° to 37.5°	24	66	OK	OK	OK	OK	24 x 24	24	75	NA	OK	OK	OK	27 x 27
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

100 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	36	OK	OK	OK	OK	18 x 12	24	42	OK	OK	OK	OK	18 x 15
	15° to 22.5°	24	48	OK	OK	OK	OK	18 x 18	24	54	OK	OK	OK	OK	21 x 21
	22.5° to 30°	24	60	OK	OK	OK	OK	24 x 21	24	66	NA	OK	OK	OK	27 x 24
	30° to 37.5°	24	66	OK	OK	OK	OK	24 x 24	24	75	NA	OK	OK	OK	30 x 27
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

105 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	39	OK	OK	OK	OK	18 x 12	24	42	OK	OK	OK	OK	18 x 15
	15° to 22.5°	24	51	OK	OK	OK	OK	21 x 18	24	54	OK	OK	OK	OK	21 x 21
	22.5° to 30°	24	60	OK	OK	OK	OK	24 x 21	24	69	NA	OK	OK	OK	27 x 24
	30° to 37.5°	24	69	NA	OK	OK	OK	27 x 24	24	78	NA	OK	OK	OK	30 x 27
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

50 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	50 psf Ground Snow Load 5-Module Configurations
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110 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	39	OK	OK	OK	OK	18 x 15	24	42	OK	OK	OK	OK	18 x 18
	15° to 22.5°	24	51	OK	OK	OK	OK	21 x 18	24	57	NA	OK	OK	OK	21 x 21
	22.5° to 30°	24	63	NA	OK	OK	OK	24 x 24	24	69	NA	OK	OK	OK	27 x 24
	30° to 37.5°	24	69	NA	OK	OK	OK	27 x 24	24	78	NA	OK	OK	OK	30 x 27
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

120 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	42	OK	OK	OK	OK	18 x 15	24	45	OK	OK	OK	OK	18 x 18
	15° to 22.5°	24	54	NA	OK	OK	OK	21 x 21	24	60	NA	OK	OK	OK	24 x 21
	22.5° to 30°	24	66	NA	OK	OK	OK	27 x 24	24	72	NA	OK	OK	OK	27 x 27
	30° to 37.5°	24	69	NA	OK	OK	OK	27 x 24	24	81	NA	NA	OK	OK	30 x 30
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

130 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	45	OK	OK	OK	OK	18 x 18	24	48	OK	OK	OK	OK	21 x 18
	15° to 22.5°	24	57	NA	OK	OK	OK	24 x 21	24	60	NA	OK	OK	OK	24 x 24
	22.5° to 30°	24	72	NA	OK	OK	OK	27 x 27	24	72	NA	OK	OK	OK	27 x 27
	30° to 37.5°	24	69	NA	OK	OK	OK	27 x 24	24	81	NA	NA	OK	OK	30 x 30
	37.5° to 45°	24	63	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

140 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	48	OK	OK	OK	OK	21 x 18	24	48	OK	OK	OK	OK	21 x 18
	15° to 22.5°	24	60	NA	OK	OK	OK	24 x 24	24	63	NA	OK	OK	OK	24 x 24
	22.5° to 30°	24	72	NA	OK	OK	OK	27 x 27	24	75	NA	NA	OK	OK	30 x 27
	30° to 37.5°	24	69	NA	OK	OK	OK	27 x 24	24	81	NA	NA	OK	OK	30 x 30
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

50 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	50 psf Ground Snow Load 5-Module Configurations
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150 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	18 x 12	24	33	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	48	NA	OK	OK	OK	21 x 18	24	48	NA	OK	OK	OK	21 x 21
	15° to 22.5°	24	63	NA	NA	OK	OK	24 x 24	24	63	NA	NA	OK	OK	24 x 24
	22.5° to 30°	24	72	NA	OK	OK	OK	27 x 27	24	75	NA	NA	OK	OK	30 x 27
	30° to 37.5°	24	69	NA	OK	OK	OK	27 x 24	24	81	NA	NA	OK	OK	30 x 30
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

160 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	18 x 12	24	33	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	51	NA	OK	OK	OK	21 x 21	24	51	NA	OK	OK	OK	21 x 21
	15° to 22.5°	24	66	NA	NA	OK	OK	27 x 24	24	66	NA	NA	OK	OK	27 x 24
	22.5° to 30°	24	72	NA	OK	OK	OK	27 x 27	24	75	NA	NA	OK	OK	30 x 27
	30° to 37.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

170 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	33	OK	OK	OK	OK	18 x 15	24	33	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	54	NA	OK	OK	OK	24 x 21	24	51	NA	OK	OK	OK	21 x 21
	15° to 22.5°	24	66	NA	NA	OK	OK	27 x 27	24	66	NA	NA	OK	OK	27 x 24
	22.5° to 30°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	30° to 37.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	37.5° to 45°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

60 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	60 psf Ground Snow Load 5-Module Configurations
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90 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Post Span (PS, in)	Required Braces			Max Post Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	58	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		72	YES	YES	YES	4	4
	7.5° to 15°	56	YES			68	YES			4	4
	15° to 22.5°	57	YES			71	YES			4	4
	22.5° to 30°	59	YES			75	YES			3	4
	30° to 37.5°	62	YES			84	YES*			3	3
	37.5° to 45°	56	YES			92	YES*			3	3

95 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	58	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		72	YES	YES	YES	4	4
	7.5° to 15°	55	YES			66	YES			4	4
	15° to 22.5°	56	YES			69	YES			4	4
	22.5° to 30°	57	YES			71	YES			4	4
	30° to 37.5°	60	YES			79	YES*			3	4
	37.5° to 45°	51	YES			82	YES*			3	3

100 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	57	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		70	YES	YES	YES	4	4
	7.5° to 15°	54	YES			64	YES			4	4
	15° to 22.5°	55	YES			66	YES			4	4
	22.5° to 30°	56	YES			68	YES			4	4
	30° to 37.5°	59	YES			74	YES*			3	4
	37.5° to 45°	46	YES			74	YES*			3	3

105 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	56	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		69	YES	YES	YES	4	4
	7.5° to 15°	53	YES			62	YES			4	4
	15° to 22.5°	54	YES			63	YES			4	4
	22.5° to 30°	55	YES			65	YES			4	4
	30° to 37.5°	56	YES			70	YES*			4	4
	37.5° to 45°	42	YES			67	YES*			3	4

110 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	56	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		67	YES	YES	YES	4	4
	7.5° to 15°	52	YES			60	YES			4	5
	15° to 22.5°	53	YES			60	YES			4	5
	22.5° to 30°	53	YES			61	YES			4	4
	30° to 37.5°	52	YES*			66	YES*			4	4
	37.5° to 45°	38	YES			61	YES*			3	4

120 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	54	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		64	YES	YES	YES	4	4
	7.5° to 15°	51	YES			56	YES			4	5
	15° to 22.5°	51	YES			56	YES			4	5
	22.5° to 30°	51	YES			55	YES*			4	5
	30° to 37.5°	44	YES*			59	YES*			4	5
	37.5° to 45°	32	YES			51	YES*			4	4

60 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	60 psf Ground Snow Load 5-Module Configurations
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130 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	53	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay	60	YES	YES	YES	4	5	
	7.5° to 15°	49	YES		52	YES			5	5	
	15° to 22.5°	49	YES		51	YES			5	5	
	22.5° to 30°	48	YES*		50	YES*			5	5	
	30° to 37.5°	38	YES*		53	YES*			5	5	
	37.5° to 45°	27	YES		44	YES*			4	5	

140 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	51	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay	57	YES	YES	YES	4	5	
	7.5° to 15°	47	YES		48	YES			5	6	
	15° to 22.5°	47	YES		47	YES			5	6	
	22.5° to 30°	44	YES*		46	YES*			5	6	
	30° to 37.5°	33	YES*		47	YES*			5	6	
	37.5° to 45°	24	YES		38	YES*			5	6	

150 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	50	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		54	YES	YES	YES	5	5
	7.5° to 15°	46	YES			45	YES			5	6
	15° to 22.5°	45	YES			43	YES			6	6
	22.5° to 30°	39	YES*			41	YES*			6	6
	30° to 37.5°	28	YES*			40	YES*			6	6
	37.5° to 45°	21	YES			33	YES*			6	6

160 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	48	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay	51	YES	YES	YES	5	5	
	7.5° to 15°	44	YES		42	YES			6	6	
	15° to 22.5°	43	YES		40	YES			6	NA	
	22.5° to 30°	34	YES*		37	YES*			6	NA	
	30° to 37.5°	NA	NA		NA	NA			NA	NA	
	37.5° to 45°	18	YES		29	YES*			6	NA	

170 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	47	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay	48	YES	YES	YES	5	6	
	7.5° to 15°	42	YES		39	YES			6	NA	
	15° to 22.5°	41	YES		37	YES			6	NA	
	22.5° to 30°	NA	NA		NA	NA			NA	NA	
	30° to 37.5°	NA	NA		NA	NA			NA	NA	
	37.5° to 45°	NA	NA		NA	NA			NA	NA	NA

60 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	60 psf Ground Snow Load 5-Module Configurations
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90 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	33	OK	OK	OK	OK	18 x 12	24	36	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	45	OK	OK	OK	OK	18 x 15	24	48	OK	OK	OK	OK	18 x 18
	22.5° to 30°	24	54	OK	OK	OK	OK	21 x 21	24	60	OK	OK	OK	OK	24 x 21
	30° to 37.5°	24	60	OK	OK	OK	OK	24 x 21	24	72	NA	OK	OK	OK	27 x 27
	37.5° to 45°	24	63	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

95 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	36	OK	OK	OK	OK	18 x 12	24	39	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	45	OK	OK	OK	OK	18 x 18	24	51	OK	OK	OK	OK	21 x 18
	22.5° to 30°	24	57	OK	OK	OK	OK	21 x 21	24	63	OK	OK	OK	OK	24 x 24
	30° to 37.5°	24	63	OK	OK	OK	OK	24 x 24	24	72	NA	OK	OK	OK	27 x 27
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

100 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	36	OK	OK	OK	OK	18 x 12	24	39	OK	OK	OK	OK	18 x 15
	15° to 22.5°	24	48	OK	OK	OK	OK	18 x 18	24	51	OK	OK	OK	OK	21 x 18
	22.5° to 30°	24	60	OK	OK	OK	OK	24 x 21	24	66	NA	OK	OK	OK	24 x 24
	30° to 37.5°	24	66	OK	OK	OK	OK	24 x 24	24	72	NA	OK	OK	OK	27 x 27
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

105 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	36	OK	OK	OK	OK	18 x 12	24	39	OK	OK	OK	OK	18 x 15
	15° to 22.5°	24	48	OK	OK	OK	OK	21 x 18	24	54	OK	OK	OK	OK	21 x 21
	22.5° to 30°	24	60	OK	OK	OK	OK	24 x 21	24	66	NA	OK	OK	OK	24 x 24
	30° to 37.5°	24	66	OK	OK	OK	OK	27 x 24	24	75	NA	OK	OK	OK	30 x 27
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

60 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	60 psf Ground Snow Load 5-Module Configurations
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110 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	39	OK	OK	OK	OK	18 x 15	24	42	OK	OK	OK	OK	18 x 15
	15° to 22.5°	24	51	OK	OK	OK	OK	21 x 18	24	54	OK	OK	OK	OK	21 x 21
	22.5° to 30°	24	63	OK	OK	OK	OK	24 x 24	24	66	NA	OK	OK	OK	27 x 24
	30° to 37.5°	24	69	NA	OK	OK	OK	27 x 24	24	75	NA	OK	OK	OK	30 x 27
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

120 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	42	OK	OK	OK	OK	18 x 15	24	42	OK	OK	OK	OK	18 x 18
	15° to 22.5°	24	54	OK	OK	OK	OK	21 x 21	24	57	NA	OK	OK	OK	24 x 21
	22.5° to 30°	24	66	NA	OK	OK	OK	27 x 24	24	69	NA	OK	OK	OK	27 x 24
	30° to 37.5°	24	69	NA	OK	OK	OK	27 x 24	24	78	NA	NA	OK	OK	30 x 27
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

130 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	45	OK	OK	OK	OK	18 x 18	24	45	OK	OK	OK	OK	18 x 18
	15° to 22.5°	24	57	NA	OK	OK	OK	24 x 21	24	57	NA	OK	OK	OK	24 x 21
	22.5° to 30°	24	69	NA	OK	OK	OK	27 x 24	24	72	NA	OK	OK	OK	27 x 27
	30° to 37.5°	24	69	NA	OK	OK	OK	27 x 24	24	81	NA	NA	OK	OK	30 x 30
	37.5° to 45°	24	63	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

140 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	45	OK	OK	OK	OK	21 x 18	24	48	OK	OK	OK	OK	21 x 18
	15° to 22.5°	24	60	NA	OK	OK	OK	24 x 24	24	60	NA	OK	OK	OK	24 x 24
	22.5° to 30°	24	72	NA	OK	OK	OK	27 x 27	24	72	NA	NA	OK	OK	27 x 27
	30° to 37.5°	24	69	NA	OK	OK	OK	27 x 24	24	81	NA	NA	OK	OK	30 x 30
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

60 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	60 psf Ground Snow Load 5-Module Configurations
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150 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	48	OK	OK	OK	OK	21 x 18	24	48	OK	OK	OK	OK	21 x 18
	15° to 22.5°	24	63	NA	OK	OK	OK	24 x 24	24	60	NA	OK	OK	OK	24 x 24
	22.5° to 30°	24	72	NA	OK	OK	OK	27 x 27	24	75	NA	NA	OK	OK	27 x 27
	30° to 37.5°	24	69	NA	OK	OK	OK	27 x 24	24	81	NA	NA	OK	OK	30 x 30
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

160 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	51	NA	OK	OK	OK	21 x 21	24	48	NA	OK	OK	OK	21 x 21
	15° to 22.5°	24	66	NA	NA	OK	OK	27 x 24	24	63	NA	NA	OK	OK	24 x 24
	22.5° to 30°	24	72	NA	OK	OK	OK	27 x 27	24	75	NA	NA	OK	OK	30 x 27
	30° to 37.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

170 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	33	OK	OK	OK	OK	18 x 15	24	33	OK	OK	OK	OK	18 x 15
	7.5° to 15°	24	51	NA	OK	OK	OK	21 x 21	24	51	NA	OK	OK	OK	21 x 21
	15° to 22.5°	24	66	NA	NA	OK	OK	27 x 27	24	66	NA	NA	OK	OK	27 x 24
	22.5° to 30°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	30° to 37.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	37.5° to 45°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

70 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	70 psf Ground Snow Load 5-Module Configurations
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90 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Post Span (PS, in)	Required Braces			Max Post Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	54	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		62	YES	YES	YES	4	4
	7.5° to 15°	53	YES			62	YES			4	4
	15° to 22.5°	55	YES			65	YES			4	4
	22.5° to 30°	57	YES			70	YES			4	4
	30° to 37.5°	60	YES			79	YES*			3	4
	37.5° to 45°	56	YES			92	YES*			3	3

95 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	54	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		62	YES	YES	YES	4	4
	7.5° to 15°	53	YES			60	YES			4	5
	15° to 22.5°	54	YES			63	YES			4	4
	22.5° to 30°	55	YES			67	YES			4	4
	30° to 37.5°	59	YES			74	YES*			3	4
	37.5° to 45°	51	YES			82	YES*			3	3

100 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	54	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		62	YES	YES	YES	4	4
	7.5° to 15°	52	YES			58	YES			4	5
	15° to 22.5°	53	YES			61	YES			4	5
	22.5° to 30°	54	YES			64	YES			4	4
	30° to 37.5°	57	YES			70	YES*			4	4
	37.5° to 45°	46	YES			74	YES*			3	3

105 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	53	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		62	YES	YES	YES	4	4
	7.5° to 15°	51	YES			56	YES			4	5
	15° to 22.5°	52	YES			58	YES			4	5
	22.5° to 30°	53	YES			61	YES			4	5
	30° to 37.5°	55	YES			67	YES*			4	4
	37.5° to 45°	42	YES			67	YES*			3	4

110 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	53	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		60	YES	YES	YES	4	5
	7.5° to 15°	50	YES			55	YES			5	5
	15° to 22.5°	51	YES			56	YES			4	5
	22.5° to 30°	52	YES			58	YES			4	5
	30° to 37.5°	51	YES			63	YES*			4	4
	37.5° to 45°	38	YES			61	YES*			4	4

120 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	52	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		58	YES	YES	YES	4	5
	7.5° to 15°	49	YES			51	YES			5	5
	15° to 22.5°	49	YES			52	YES			5	5
	22.5° to 30°	49	YES			52	YES			5	5
	30° to 37.5°	44	YES*			57	YES*			4	5
	37.5° to 45°	32	YES			51	YES*			4	4

70 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	70 psf Ground Snow Load 5-Module Configurations
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130 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	50	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		55	YES	YES	YES	4	5
	7.5° to 15°	47	YES			48	YES			5	6
	15° to 22.5°	47	YES			48	YES			5	6
	22.5° to 30°	47	YES*			48	YES*			5	6
	30° to 37.5°	38	YES*			51	YES*			5	5
	37.5° to 45°	27	YES			44	YES*			4	5

140 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	49	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		52	YES	YES	YES	5	5
	7.5° to 15°	46	YES			45	YES			5	6
	15° to 22.5°	45	YES			44	YES			5	6
	22.5° to 30°	44	YES*			44	YES*			6	6
	30° to 37.5°	33	YES*			46	YES*			5	6
	37.5° to 45°	24	YES			38	YES*			5	6

150 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	48	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		50	YES	YES	YES	5	5
	7.5° to 15°	44	YES			42	YES			6	6
	15° to 22.5°	43	YES			41	YES			6	6
	22.5° to 30°	39	YES*			40	YES*			6	NA
	30° to 37.5°	28	YES*			40	YES*			6	6
	37.5° to 45°	21	YES			33	YES*			6	6

160 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	47	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		47	YES	YES	YES	5	6
	7.5° to 15°	43	YES			39	YES			6	NA
	15° to 22.5°	42	YES			38	YES			6	NA
	22.5° to 30°	34	YES*			36	YES*			6	NA
	30° to 37.5°	NA	NA			NA	NA			NA	NA
	37.5° to 45°	18	YES			29	YES*			6	NA

170 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	45	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		45	YES	YES	YES	5	6
	7.5° to 15°	41	YES			37	YES			6	NA
	15° to 22.5°	NA	NA			NA	NA			NA	NA
	22.5° to 30°	NA	NA			NA	NA			NA	NA
	30° to 37.5°	NA	NA			NA	NA			NA	NA
	37.5° to 45°	NA	NA			NA	NA			NA	NA

70 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	70 psf Ground Snow Load 5-Module Configurations
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90 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	33	OK	OK	OK	OK	18 x 12	24	36	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	42	OK	OK	OK	OK	18 x 15	24	48	OK	OK	OK	OK	18 x 18
	22.5° to 30°	24	54	OK	OK	OK	OK	21 x 18	24	60	OK	OK	OK	OK	24 x 21
	30° to 37.5°	24	60	OK	OK	OK	OK	24 x 21	24	69	NA	OK	OK	OK	27 x 24
	37.5° to 45°	24	63	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

95 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	33	OK	OK	OK	OK	18 x 12	24	36	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	45	OK	OK	OK	OK	18 x 15	24	48	OK	OK	OK	OK	18 x 18
	22.5° to 30°	24	54	OK	OK	OK	OK	21 x 21	24	60	OK	OK	OK	OK	24 x 21
	30° to 37.5°	24	63	OK	OK	OK	OK	24 x 24	24	69	NA	OK	OK	OK	27 x 24
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

100 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	36	OK	OK	OK	OK	18 x 12	24	36	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	48	OK	OK	OK	OK	18 x 18	24	51	OK	OK	OK	OK	21 x 18
	22.5° to 30°	24	57	OK	OK	OK	OK	21 x 21	24	63	OK	OK	OK	OK	24 x 24
	30° to 37.5°	24	66	OK	OK	OK	OK	24 x 24	24	72	NA	OK	OK	OK	27 x 27
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

105 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	36	OK	OK	OK	OK	18 x 12	24	39	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	48	OK	OK	OK	OK	18 x 18	24	51	OK	OK	OK	OK	21 x 18
	22.5° to 30°	24	60	OK	OK	OK	OK	24 x 21	24	63	NA	OK	OK	OK	24 x 24
	30° to 37.5°	24	66	OK	OK	OK	OK	24 x 24	24	72	NA	OK	OK	OK	27 x 27
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

70 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	70 psf Ground Snow Load 5-Module Configurations
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110 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	39	OK	OK	OK	OK	18 x 12	24	39	OK	OK	OK	OK	18 x 15
	15° to 22.5°	24	51	OK	OK	OK	OK	21 x 18	24	51	OK	OK	OK	OK	21 x 18
	22.5° to 30°	24	63	OK	OK	OK	OK	24 x 21	24	66	NA	OK	OK	OK	24 x 24
	30° to 37.5°	24	66	OK	OK	OK	OK	27 x 24	24	75	NA	OK	OK	OK	27 x 27
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

120 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	42	OK	OK	OK	OK	18 x 15	24	42	OK	OK	OK	OK	18 x 15
	15° to 22.5°	24	54	OK	OK	OK	OK	21 x 21	24	54	OK	OK	OK	OK	21 x 21
	22.5° to 30°	24	66	NA	OK	OK	OK	24 x 24	24	66	NA	OK	OK	OK	27 x 24
	30° to 37.5°	24	69	NA	OK	OK	OK	27 x 24	24	78	NA	OK	OK	OK	30 x 27
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

130 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	42	OK	OK	OK	OK	18 x 18	24	42	OK	OK	OK	OK	18 x 18
	15° to 22.5°	24	57	NA	OK	OK	OK	21 x 21	24	57	NA	OK	OK	OK	24 x 21
	22.5° to 30°	24	69	NA	OK	OK	OK	27 x 24	24	69	NA	OK	OK	OK	27 x 24
	30° to 37.5°	24	69	NA	OK	OK	OK	27 x 24	24	78	NA	NA	OK	OK	30 x 27
	37.5° to 45°	24	63	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

140 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	45	OK	OK	OK	OK	18 x 18	24	45	OK	OK	OK	OK	18 x 18
	15° to 22.5°	24	60	NA	OK	OK	OK	24 x 21	24	57	NA	OK	OK	OK	24 x 21
	22.5° to 30°	24	72	NA	OK	OK	OK	27 x 27	24	72	NA	OK	OK	OK	27 x 27
	30° to 37.5°	24	69	NA	OK	OK	OK	27 x 24	24	81	NA	NA	OK	OK	30 x 30
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

70 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	70 psf Ground Snow Load 5-Module Configurations
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150 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	48	OK	OK	OK	OK	21 x 18	24	48	OK	OK	OK	OK	21 x 18
	15° to 22.5°	24	60	NA	OK	OK	OK	24 x 24	24	60	NA	OK	OK	OK	24 x 24
	22.5° to 30°	24	72	NA	OK	OK	OK	27 x 27	24	72	NA	NA	OK	OK	27 x 27
	30° to 37.5°	24	69	NA	OK	OK	OK	27 x 24	24	81	NA	NA	OK	OK	30 x 30
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

160 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	51	NA	OK	OK	OK	21 x 21	24	48	OK	OK	OK	OK	21 x 18
	15° to 22.5°	24	66	NA	NA	OK	OK	27 x 24	24	63	NA	OK	OK	OK	24 x 24
	22.5° to 30°	24	72	NA	OK	OK	OK	27 x 27	24	75	NA	NA	OK	OK	27 x 27
	30° to 37.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

170 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	51	NA	OK	OK	OK	21 x 21	24	48	NA	OK	OK	OK	21 x 21
	15° to 22.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	22.5° to 30°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	30° to 37.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	37.5° to 45°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

80 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	80 psf Ground Snow Load 5-Module Configurations
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90 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Post Span (PS, in)	Required Braces			Max Post Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	50	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		55	YES	YES	YES	4	5
	7.5° to 15°	51	YES			56	YES			4	5
	15° to 22.5°	53	YES			60	YES			4	5
	22.5° to 30°	55	YES			65	YES			4	4
	30° to 37.5°	58	YES			74	YES			3	4
	37.5° to 45°	55	YES			88	YES*			3	3

95 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	50	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		55	YES	YES	YES	4	5
	7.5° to 15°	50	YES			55	YES			4	5
	15° to 22.5°	52	YES			58	YES			4	5
	22.5° to 30°	54	YES			62	YES			4	4
	30° to 37.5°	57	YES			70	YES*			4	4
	37.5° to 45°	50	YES			82	YES*			3	3

100 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	50	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		55	YES	YES	YES	4	5
	7.5° to 15°	50	YES			53	YES			5	5
	15° to 22.5°	51	YES			56	YES			4	5
	22.5° to 30°	52	YES			60	YES			4	5
	30° to 37.5°	56	YES			67	YES*			4	4
	37.5° to 45°	46	YES			74	YES*			3	4

105 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	50	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		55	YES	YES	YES	4	5
	7.5° to 15°	49	YES			52	YES			5	5
	15° to 22.5°	50	YES			54	YES			5	5
	22.5° to 30°	51	YES			57	YES			4	5
	30° to 37.5°	53	YES			63	YES*			4	4
	37.5° to 45°	42	YES			67	YES*			3	4

110 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	50	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		55	YES	YES	YES	4	5
	7.5° to 15°	48	YES			50	YES			5	5
	15° to 22.5°	49	YES			52	YES			5	5
	22.5° to 30°	50	YES			55	YES			5	5
	30° to 37.5°	50	YES			60	YES*			4	5
	37.5° to 45°	38	YES			61	YES*			4	4

120 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	49	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		53	YES	YES	YES	5	5
	7.5° to 15°	47	YES			47	YES			5	6
	15° to 22.5°	47	YES			49	YES			5	6
	22.5° to 30°	48	YES			50	YES			5	5
	30° to 37.5°	43	YES*			54	YES*			5	5
	37.5° to 45°	32	YES			51	YES*			4	4

80 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	80 psf Ground Snow Load 5-Module Configurations
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130 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	48	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		50	YES	YES	YES	5	5
	7.5° to 15°	45	YES			45	YES			5	6
	15° to 22.5°	46	YES			45	YES			5	6
	22.5° to 30°	46	YES*			46	YES*			5	6
	30° to 37.5°	38	YES*			49	YES*			5	5
	37.5° to 45°	27	YES			44	YES*			4	5

140 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	47	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		48	YES	YES	YES	5	6
	7.5° to 15°	44	YES			42	YES			6	6
	15° to 22.5°	44	YES			42	YES			6	6
	22.5° to 30°	43	YES*			42	YES*			6	6
	30° to 37.5°	33	YES*			44	YES*			5	6
	37.5° to 45°	24	YES			38	YES*			5	6

150 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	46	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		46	YES	YES	YES	5	6
	7.5° to 15°	43	YES			39	YES			6	NA
	15° to 22.5°	42	YES			39	YES			6	NA
	22.5° to 30°	38	YES*			38	YES*			6	NA
	30° to 37.5°	28	YES*			40	YES*			6	NA
	37.5° to 45°	21	YES			33	YES*			6	6

160 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	45	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		44	YES	YES	YES	5	6
	7.5° to 15°	41	YES			37	YES			6	NA
	15° to 22.5°	NA	NA			NA	NA			NA	NA
	22.5° to 30°	NA	NA			NA	NA			NA	NA
	30° to 37.5°	NA	NA			NA	NA			NA	NA
	37.5° to 45°	18	YES			29	YES*			6	NA

170 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	44	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		42	YES	YES	YES	6	6
	7.5° to 15°	NA	NA			NA	NA			NA	NA
	15° to 22.5°	NA	NA			NA	NA			NA	NA
	22.5° to 30°	NA	NA			NA	NA			NA	NA
	30° to 37.5°	NA	NA			NA	NA			NA	NA
	37.5° to 45°	NA	NA			NA	NA			NA	NA

80 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	80 psf Ground Snow Load 5-Module Configurations
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90 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	33	OK	OK	OK	OK	18 x 12	24	33	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	42	OK	OK	OK	OK	18 x 15	24	45	OK	OK	OK	OK	18 x 15
	22.5° to 30°	24	54	OK	OK	OK	OK	21 x 18	24	57	OK	OK	OK	OK	21 x 21
	30° to 37.5°	24	60	OK	OK	OK	OK	24 x 21	24	66	OK	OK	OK	OK	24 x 24
	37.5° to 45°	24	63	OK	OK	OK	OK	24 x 24	24	78	NA	OK	OK	OK	30 x 30

95 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	33	OK	OK	OK	OK	18 x 12	24	36	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	45	OK	OK	OK	OK	18 x 15	24	45	OK	OK	OK	OK	18 x 18
	22.5° to 30°	24	54	OK	OK	OK	OK	21 x 21	24	60	OK	OK	OK	OK	24 x 21
	30° to 37.5°	24	63	OK	OK	OK	OK	24 x 21	24	69	NA	OK	OK	OK	27 x 24
	37.5° to 45°	24	63	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

100 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	36	OK	OK	OK	OK	18 x 12	24	36	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	45	OK	OK	OK	OK	18 x 18	24	48	OK	OK	OK	OK	18 x 18
	22.5° to 30°	24	57	OK	OK	OK	OK	21 x 21	24	60	OK	OK	OK	OK	24 x 21
	30° to 37.5°	24	66	OK	OK	OK	OK	24 x 24	24	69	NA	OK	OK	OK	27 x 24
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

105 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	36	OK	OK	OK	OK	18 x 12	24	36	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	48	OK	OK	OK	OK	18 x 18	24	48	OK	OK	OK	OK	21 x 18
	22.5° to 30°	24	60	OK	OK	OK	OK	24 x 21	24	63	OK	OK	OK	OK	24 x 21
	30° to 37.5°	24	66	OK	OK	OK	OK	24 x 24	24	72	NA	OK	OK	OK	27 x 27
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

80 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	80 psf Ground Snow Load 5-Module Configurations
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110 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	36	OK	OK	OK	OK	18 x 12	24	39	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	48	OK	OK	OK	OK	21 x 18	24	51	OK	OK	OK	OK	21 x 18
	22.5° to 30°	24	60	OK	OK	OK	OK	24 x 21	24	63	NA	OK	OK	OK	24 x 24
	30° to 37.5°	24	66	OK	OK	OK	OK	24 x 24	24	72	NA	OK	OK	OK	27 x 27
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

120 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	39	OK	OK	OK	OK	18 x 15	24	39	OK	OK	OK	OK	18 x 15
	15° to 22.5°	24	51	OK	OK	OK	OK	21 x 18	24	54	OK	OK	OK	OK	21 x 21
	22.5° to 30°	24	66	NA	OK	OK	OK	24 x 24	24	66	NA	OK	OK	OK	24 x 24
	30° to 37.5°	24	66	NA	OK	OK	OK	27 x 24	24	75	NA	OK	OK	OK	30 x 27
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

130 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	42	OK	OK	OK	OK	18 x 15	24	42	OK	OK	OK	OK	18 x 15
	15° to 22.5°	24	54	NA	OK	OK	OK	21 x 21	24	54	NA	OK	OK	OK	21 x 21
	22.5° to 30°	24	69	NA	OK	OK	OK	27 x 24	24	69	NA	OK	OK	OK	27 x 24
	30° to 37.5°	24	69	NA	OK	OK	OK	27 x 24	24	78	NA	OK	OK	OK	30 x 27
	37.5° to 45°	24	63	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

140 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	45	OK	OK	OK	OK	18 x 18	24	45	OK	OK	OK	OK	18 x 18
	15° to 22.5°	24	57	NA	OK	OK	OK	24 x 21	24	57	NA	OK	OK	OK	24 x 21
	22.5° to 30°	24	72	NA	OK	OK	OK	27 x 27	24	72	NA	OK	OK	OK	27 x 24
	30° to 37.5°	24	69	NA	OK	OK	OK	27 x 24	24	78	NA	NA	OK	OK	30 x 27
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

80 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	80 psf Ground Snow Load 5-Module Configurations
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150 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	48	OK	OK	OK	OK	21 x 18	24	45	OK	OK	OK	OK	18 x 18
	15° to 22.5°	24	60	NA	OK	OK	OK	24 x 24	24	60	NA	OK	OK	OK	24 x 21
	22.5° to 30°	24	72	NA	OK	OK	OK	27 x 27	24	72	NA	OK	OK	OK	27 x 27
	30° to 37.5°	24	69	NA	OK	OK	OK	27 x 24	24	81	NA	NA	OK	OK	30 x 30
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

160 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	48	NA	OK	OK	OK	21 x 18	24	48	OK	OK	OK	OK	21 x 18
	15° to 22.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	22.5° to 30°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	30° to 37.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

170 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 12
	7.5° to 15°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	15° to 22.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	22.5° to 30°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	30° to 37.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	37.5° to 45°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

90 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	90 psf Ground Snow Load 5-Module Configurations
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90 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Post Span (PS, in)	Required Braces			Max Post Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	48	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		49	YES	YES	YES	5	5
	7.5° to 15°	48	YES			50	YES			5	5
	15° to 22.5°	51	YES			56	YES			4	5
	22.5° to 30°	53	YES			61	YES			4	4
	30° to 37.5°	57	YES			70	YES			4	4
	37.5° to 45°	54	YES			84	YES*			3	3

95 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	48	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		49	YES	YES	YES	5	5
	7.5° to 15°	48	YES			50	YES			5	5
	15° to 22.5°	50	YES			54	YES			5	5
	22.5° to 30°	52	YES			59	YES			4	5
	30° to 37.5°	56	YES			67	YES			4	4
	37.5° to 45°	49	YES			80	YES*			3	4

100 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	48	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		49	YES	YES	YES	5	5
	7.5° to 15°	48	YES			49	YES			5	5
	15° to 22.5°	49	YES			52	YES			5	5
	22.5° to 30°	51	YES			56	YES			4	5
	30° to 37.5°	54	YES			64	YES*			4	4
	37.5° to 45°	46	YES			74	YES*			3	4

105 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	48	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		49	YES	YES	YES	5	5
	7.5° to 15°	47	YES			48	YES			5	6
	15° to 22.5°	48	YES			51	YES			5	5
	22.5° to 30°	50	YES			54	YES			5	5
	30° to 37.5°	52	YES			61	YES*			4	5
	37.5° to 45°	42	YES			67	YES*			4	4

110 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	48	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		49	YES	YES	YES	5	5
	7.5° to 15°	46	YES			47	YES			5	6
	15° to 22.5°	48	YES			49	YES			5	5
	22.5° to 30°	49	YES			52	YES			5	5
	30° to 37.5°	49	YES			58	YES*			4	5
	37.5° to 45°	38	YES			61	YES*			4	4

120 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	47	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		49	YES	YES	YES	5	6
	7.5° to 15°	45	YES			44	YES			5	6
	15° to 22.5°	46	YES			46	YES			5	6
	22.5° to 30°	47	YES			47	YES			5	6
	30° to 37.5°	42	YES			52	YES*			5	5
	37.5° to 45°	32	YES			51	YES*			4	5

90 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	90 psf Ground Snow Load 5-Module Configurations
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130 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	46	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		47	YES	YES	YES	5	6
	7.5° to 15°	44	YES			42	YES			6	6
	15° to 22.5°	44	YES			43	YES			6	6
	22.5° to 30°	45	YES*			43	YES			6	6
	30° to 37.5°	37	YES*			47	YES*			5	6
	37.5° to 45°	27	YES			44	YES*			5	5

140 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	45	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		45	YES	YES	YES	5	6
	7.5° to 15°	43	YES			39	YES			6	NA
	15° to 22.5°	43	YES			40	YES			6	NA
	22.5° to 30°	42	YES*			40	YES*			6	NA
	30° to 37.5°	33	YES*			43	YES*			6	6
	37.5° to 45°	24	YES			38	YES*			5	6

150 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	44	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		43	YES	YES	YES	6	6
	7.5° to 15°	41	YES			37	YES			6	NA
	15° to 22.5°	41	YES			37	YES			6	NA
	22.5° to 30°	37	YES*			37	YES*			6	NA
	30° to 37.5°	28	YES*			39	YES*			6	NA
	37.5° to 45°	21	YES			33	YES*			6	6

160 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	43	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		41	YES	YES	YES	6	6
	7.5° to 15°	NA	NA			NA	NA			NA	NA
	15° to 22.5°	NA	NA			NA	NA			NA	NA
	22.5° to 30°	NA	NA			NA	NA			NA	NA
	30° to 37.5°	NA	NA			NA	NA			NA	NA
	37.5° to 45°	18	YES			29	YES*			6	NA

170 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	42	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		39	YES	YES	YES	6	NA
	7.5° to 15°	NA	NA			NA	NA			NA	NA
	15° to 22.5°	NA	NA			NA	NA			NA	NA
	22.5° to 30°	NA	NA			NA	NA			NA	NA
	30° to 37.5°	NA	NA			NA	NA			NA	NA
	37.5° to 45°	NA	NA			NA	NA			NA	NA

90 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	90 psf Ground Snow Load 5-Module Configurations
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90 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	30	OK	OK	OK	OK	18 x 12	24	33	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	42	OK	OK	OK	OK	18 x 15	24	42	OK	OK	OK	OK	18 x 15
	22.5° to 30°	24	51	OK	OK	OK	OK	21 x 18	24	54	OK	OK	OK	OK	21 x 21
	30° to 37.5°	24	60	OK	OK	OK	OK	21 x 21	24	66	OK	OK	OK	OK	24 x 24
	37.5° to 45°	24	63	OK	OK	OK	OK	24 x 21	24	78	NA	OK	OK	OK	30 x 27

95 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	33	OK	OK	OK	OK	18 x 12	24	33	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	42	OK	OK	OK	OK	18 x 15	24	45	OK	OK	OK	OK	18 x 15
	22.5° to 30°	24	54	OK	OK	OK	OK	21 x 18	24	57	OK	OK	OK	OK	21 x 21
	30° to 37.5°	24	60	OK	OK	OK	OK	24 x 21	24	66	OK	OK	OK	OK	24 x 24
	37.5° to 45°	24	63	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

100 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	33	OK	OK	OK	OK	18 x 12	24	36	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	45	OK	OK	OK	OK	18 x 15	24	45	OK	OK	OK	OK	18 x 18
	22.5° to 30°	24	57	OK	OK	OK	OK	21 x 21	24	60	OK	OK	OK	OK	24 x 21
	30° to 37.5°	24	63	OK	OK	OK	OK	24 x 24	24	69	NA	OK	OK	OK	27 x 24
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

105 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	36	OK	OK	OK	OK	18 x 12	24	36	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	48	OK	OK	OK	OK	18 x 18	24	48	OK	OK	OK	OK	18 x 18
	22.5° to 30°	24	60	OK	OK	OK	OK	21 x 21	24	60	OK	OK	OK	OK	24 x 21
	30° to 37.5°	24	66	OK	OK	OK	OK	24 x 24	24	69	NA	OK	OK	OK	27 x 24
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

90 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	90 psf Ground Snow Load 5-Module Configurations
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110 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	36	OK	OK	OK	OK	18 x 12	24	36	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	48	OK	OK	OK	OK	18 x 18	24	48	OK	OK	OK	OK	21 x 18
	22.5° to 30°	24	60	OK	OK	OK	OK	24 x 21	24	63	OK	OK	OK	OK	24 x 21
	30° to 37.5°	24	66	OK	OK	OK	OK	24 x 24	24	72	NA	OK	OK	OK	27 x 27
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

120 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	39	OK	OK	OK	OK	18 x 15	24	39	OK	OK	OK	OK	18 x 15
	15° to 22.5°	24	51	OK	OK	OK	OK	21 x 18	24	51	OK	OK	OK	OK	21 x 18
	22.5° to 30°	24	63	NA	OK	OK	OK	24 x 24	24	63	NA	OK	OK	OK	24 x 24
	30° to 37.5°	24	66	OK	OK	OK	OK	24 x 24	24	75	NA	OK	OK	OK	27 x 27
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

130 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	42	OK	OK	OK	OK	18 x 15	24	42	OK	OK	OK	OK	18 x 15
	15° to 22.5°	24	54	OK	OK	OK	OK	21 x 21	24	54	OK	OK	OK	OK	21 x 21
	22.5° to 30°	24	69	NA	OK	OK	OK	27 x 24	24	66	NA	OK	OK	OK	24 x 24
	30° to 37.5°	24	69	NA	OK	OK	OK	27 x 24	24	75	NA	OK	OK	OK	30 x 27
	37.5° to 45°	24	63	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

140 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	45	OK	OK	OK	OK	18 x 18	24	42	OK	OK	OK	OK	18 x 18
	15° to 22.5°	24	57	NA	OK	OK	OK	24 x 21	24	57	NA	OK	OK	OK	21 x 21
	22.5° to 30°	24	72	NA	OK	OK	OK	27 x 24	24	69	NA	OK	OK	OK	27 x 24
	30° to 37.5°	24	69	NA	OK	OK	OK	27 x 24	24	78	NA	NA	OK	OK	30 x 27
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

90 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	90 psf Ground Snow Load 5-Module Configurations
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150 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	45	OK	OK	OK	OK	21 x 18	24	45	OK	OK	OK	OK	18 x 18
	15° to 22.5°	24	60	NA	OK	OK	OK	24 x 24	24	57	NA	OK	OK	OK	24 x 21
	22.5° to 30°	24	72	NA	OK	OK	OK	27 x 27	24	72	NA	OK	OK	OK	27 x 27
	30° to 37.5°	24	69	NA	OK	OK	OK	27 x 24	24	78	NA	NA	OK	OK	30 x 30
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

160 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 12
	7.5° to 15°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	15° to 22.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	22.5° to 30°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	30° to 37.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

170 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 12
	7.5° to 15°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	15° to 22.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	22.5° to 30°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	30° to 37.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	37.5° to 45°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

100 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	100 psf Ground Snow Load 5-Module Configurations
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90 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Post Span (PS, in)	Required Braces			Max Post Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	45	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		44	YES	YES	YES	5	6
	7.5° to 15°	46	YES			46	YES			5	6
	15° to 22.5°	49	YES			52	YES			5	5
	22.5° to 30°	52	YES			58	YES			4	5
	30° to 37.5°	55	YES			67	YES			4	4
	37.5° to 45°	53	YES			81	YES*			3	4

95 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	45	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		44	YES	YES	YES	5	6
	7.5° to 15°	46	YES			46	YES			5	6
	15° to 22.5°	48	YES			51	YES			5	5
	22.5° to 30°	51	YES			55	YES			4	5
	30° to 37.5°	54	YES			64	YES			4	4
	37.5° to 45°	48	YES			76	YES*			3	4

100 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	45	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		44	YES	YES	YES	5	6
	7.5° to 15°	46	YES			46	YES			5	6
	15° to 22.5°	48	YES			49	YES			5	5
	22.5° to 30°	50	YES			53	YES			5	5
	30° to 37.5°	53	YES			61	YES			4	5
	37.5° to 45°	45	YES			72	YES*			4	4

105 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	45	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		44	YES	YES	YES	5	6
	7.5° to 15°	45	YES			44	YES			5	6
	15° to 22.5°	47	YES			48	YES			5	6
	22.5° to 30°	49	YES			51	YES			5	5
	30° to 37.5°	51	YES			58	YES*			4	5
	37.5° to 45°	41	YES			67	YES*			4	4

110 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	45	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		44	YES	YES	YES	5	6
	7.5° to 15°	45	YES			43	YES			6	6
	15° to 22.5°	46	YES			46	YES			5	6
	22.5° to 30°	48	YES			49	YES			5	5
	30° to 37.5°	48	YES			55	YES*			4	5
	37.5° to 45°	38	YES			61	YES*			4	4

120 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	45	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		44	YES	YES	YES	5	6
	7.5° to 15°	44	YES			41	YES			6	6
	15° to 22.5°	45	YES			43	YES			6	6
	22.5° to 30°	46	YES			45	YES			5	6
	30° to 37.5°	42	YES			50	YES*			5	5
	37.5° to 45°	32	YES			51	YES*			4	5

100 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	100 psf Ground Snow Load 5-Module Configurations
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130 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	45	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		43	YES	YES	YES	6	6
	7.5° to 15°	42	YES			39	YES			6	NA
	15° to 22.5°	43	YES			40	YES			6	NA
	22.5° to 30°	44	YES			42	YES			6	6
	30° to 37.5°	37	YES*			46	YES*			5	6
	37.5° to 45°	27	YES			44	YES*			5	5

140 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	44	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		42	YES	YES	YES	6	6
	7.5° to 15°	41	YES			37	YES			6	NA
	15° to 22.5°	42	YES			38	YES			6	NA
	22.5° to 30°	41	YES*			38	YES			6	NA
	30° to 37.5°	32	YES*			42	YES*			6	6
	37.5° to 45°	24	YES			38	YES*			5	6

150 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	43	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		40	YES	YES	YES	6	NA
	7.5° to 15°	NA	NA			NA	NA			NA	NA
	15° to 22.5°	NA	NA			NA	NA			NA	NA
	22.5° to 30°	NA	NA			NA	NA			NA	NA
	30° to 37.5°	28	YES*			38	YES*			6	NA
	37.5° to 45°	21	YES			33	YES*			6	6

160 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	42	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		38	YES	YES	YES	6	NA
	7.5° to 15°	NA	NA			NA	NA			NA	NA
	15° to 22.5°	NA	NA			NA	NA			NA	NA
	22.5° to 30°	NA	NA			NA	NA			NA	NA
	30° to 37.5°	NA	NA			NA	NA			NA	NA
	37.5° to 45°	18	YES			29	YES*			6	NA

170 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	41	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		37	YES	YES	YES	6	NA
	7.5° to 15°	NA	NA			NA	NA			NA	NA
	15° to 22.5°	NA	NA			NA	NA			NA	NA
	22.5° to 30°	NA	NA			NA	NA			NA	NA
	30° to 37.5°	NA	NA			NA	NA			NA	NA
	37.5° to 45°	NA	NA			NA	NA			NA	NA

100 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	100 psf Ground Snow Load 5-Module Configurations
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90 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	30	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	42	OK	OK	OK	OK	18 x 12	24	42	OK	OK	OK	OK	18 x 15
	22.5° to 30°	24	51	OK	OK	OK	OK	21 x 18	24	54	OK	OK	OK	OK	21 x 18
	30° to 37.5°	24	57	OK	OK	OK	OK	21 x 21	24	63	OK	OK	OK	OK	24 x 24
	37.5° to 45°	24	63	OK	OK	OK	OK	24 x 21	24	75	NA	OK	OK	OK	30 x 27

95 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	33	OK	OK	OK	OK	18 x 12	24	33	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	42	OK	OK	OK	OK	18 x 15	24	45	OK	OK	OK	OK	18 x 15
	22.5° to 30°	24	54	OK	OK	OK	OK	21 x 18	24	54	OK	OK	OK	OK	21 x 21
	30° to 37.5°	24	60	OK	OK	OK	OK	24 x 21	24	66	OK	OK	OK	OK	24 x 24
	37.5° to 45°	24	63	OK	OK	OK	OK	24 x 21	24	78	NA	OK	OK	OK	30 x 27

100 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	33	OK	OK	OK	OK	18 x 12	24	33	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	45	OK	OK	OK	OK	18 x 15	24	45	OK	OK	OK	OK	18 x 15
	22.5° to 30°	24	57	OK	OK	OK	OK	21 x 21	24	57	OK	OK	OK	OK	21 x 21
	30° to 37.5°	24	63	OK	OK	OK	OK	24 x 21	24	66	OK	OK	OK	OK	27 x 24
	37.5° to 45°	24	63	OK	OK	OK	OK	24 x 24	24	78	NA	OK	OK	OK	30 x 30

105 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	36	OK	OK	OK	OK	18 x 12	24	36	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	45	OK	OK	OK	OK	18 x 18	24	48	OK	OK	OK	OK	18 x 18
	22.5° to 30°	24	57	OK	OK	OK	OK	21 x 21	24	60	OK	OK	OK	OK	24 x 21
	30° to 37.5°	24	66	OK	OK	OK	OK	24 x 24	24	69	NA	OK	OK	OK	27 x 24
	37.5° to 45°	24	63	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

100 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	100 psf Ground Snow Load 5-Module Configurations
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110 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	36	OK	OK	OK	OK	18 x 12	24	36	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	48	OK	OK	OK	OK	18 x 18	24	48	OK	OK	OK	OK	18 x 18
	22.5° to 30°	24	60	OK	OK	OK	OK	24 x 21	24	60	OK	OK	OK	OK	24 x 21
	30° to 37.5°	24	66	OK	OK	OK	OK	24 x 24	24	69	NA	OK	OK	OK	27 x 24
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

120 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	39	OK	OK	OK	OK	18 x 15	24	36	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	51	OK	OK	OK	OK	21 x 18	24	51	OK	OK	OK	OK	21 x 18
	22.5° to 30°	24	63	NA	OK	OK	OK	24 x 24	24	63	OK	OK	OK	OK	24 x 24
	30° to 37.5°	24	66	OK	OK	OK	OK	24 x 24	24	72	NA	OK	OK	OK	27 x 27
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

130 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	42	OK	OK	OK	OK	18 x 15	24	39	OK	OK	OK	OK	18 x 15
	15° to 22.5°	24	54	OK	OK	OK	OK	21 x 21	24	51	OK	OK	OK	OK	21 x 18
	22.5° to 30°	24	66	NA	OK	OK	OK	27 x 24	24	66	NA	OK	OK	OK	24 x 24
	30° to 37.5°	24	69	NA	OK	OK	OK	27 x 24	24	75	NA	OK	OK	OK	27 x 27
	37.5° to 45°	24	63	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

140 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	42	OK	OK	OK	OK	18 x 18	24	42	OK	OK	OK	OK	18 x 15
	15° to 22.5°	24	57	NA	OK	OK	OK	24 x 21	24	54	OK	OK	OK	OK	21 x 21
	22.5° to 30°	24	69	NA	OK	OK	OK	27 x 24	24	66	NA	OK	OK	OK	27 x 24
	30° to 37.5°	24	69	NA	OK	OK	OK	27 x 24	24	78	NA	OK	OK	OK	30 x 27
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

100 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	100 psf Ground Snow Load 5-Module Configurations
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150 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 12
	7.5° to 15°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	15° to 22.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	22.5° to 30°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	30° to 37.5°	24	69	NA	OK	OK	OK	27 x 24	24	78	NA	NA	OK	OK	30 x 27
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

160 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 12
	7.5° to 15°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	15° to 22.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	22.5° to 30°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	30° to 37.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

170 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	30	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 12
	7.5° to 15°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	15° to 22.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	22.5° to 30°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	30° to 37.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	37.5° to 45°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

110 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	110 psf Ground Snow Load 5-Module Configurations
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90 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Post Span (PS, in)	Required Braces			Max Post Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	43	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		40	YES	YES	YES	6	NA
	7.5° to 15°	44	YES			42	YES			6	6
	15° to 22.5°	47	YES			49	YES			5	5
	22.5° to 30°	50	YES			54	YES			5	5
	30° to 37.5°	54	YES			63	YES			4	4
	37.5° to 45°	52	YES			77	YES*			3	4

95 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	43	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		40	YES	YES	YES	6	NA
	7.5° to 15°	44	YES			42	YES			6	6
	15° to 22.5°	47	YES			48	YES			5	6
	22.5° to 30°	49	YES			52	YES			5	5
	30° to 37.5°	53	YES			61	YES			4	5
	37.5° to 45°	48	YES			74	YES*			3	4

100 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	43	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		40	YES	YES	YES	6	NA
	7.5° to 15°	44	YES			42	YES			6	6
	15° to 22.5°	46	YES			46	YES			5	6
	22.5° to 30°	48	YES			50	YES			5	5
	30° to 37.5°	52	YES			58	YES			4	5
	37.5° to 45°	44	YES			70	YES*			4	4

105 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	43	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		40	YES	YES	YES	6	NA
	7.5° to 15°	44	YES			42	YES			6	6
	15° to 22.5°	45	YES			45	YES			5	6
	22.5° to 30°	47	YES			49	YES			5	6
	30° to 37.5°	50	YES			55	YES			4	5
	37.5° to 45°	41	YES			66	YES*			4	4

110 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	43	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		40	YES	YES	YES	6	NA
	7.5° to 15°	43	YES			41	YES			6	6
	15° to 22.5°	45	YES			43	YES			6	6
	22.5° to 30°	46	YES			47	YES			5	6
	30° to 37.5°	46	YES			53	YES*			5	5
	37.5° to 45°	38	YES			61	YES*			4	4

120 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	43	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		40	YES	YES	YES	6	NA
	7.5° to 15°	42	YES			39	YES			6	NA
	15° to 22.5°	43	YES			41	YES			6	6
	22.5° to 30°	45	YES			43	YES			6	6
	30° to 37.5°	41	YES			48	YES*			5	6
	37.5° to 45°	32	YES			51	YES*			4	5

110 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	110 psf Ground Snow Load 5-Module Configurations
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130 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	43	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		40	YES	YES	YES	6	NA
	7.5° to 15°	41	YES			37	YES			6	NA
	15° to 22.5°	42	YES			38	YES			6	NA
	22.5° to 30°	43	YES			40	YES			6	NA
	30° to 37.5°	36	YES			44	YES*			5	6
	37.5° to 45°	27	YES			44	YES*			5	5

140 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	42	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		39	YES	YES	YES	6	NA
	7.5° to 15°	NA	NA			NA	NA			NA	NA
	15° to 22.5°	NA	NA			NA	NA			NA	NA
	22.5° to 30°	40	YES*			37	YES			6	NA
	30° to 37.5°	32	YES*			40	YES*			6	NA
	37.5° to 45°	24	YES			38	YES*			5	6

150 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	42	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		38	YES	YES	YES	6	NA
	7.5° to 15°	NA	NA			NA	NA			NA	NA
	15° to 22.5°	NA	NA			NA	NA			NA	NA
	22.5° to 30°	NA	NA			NA	NA			NA	NA
	30° to 37.5°	28	YES*			37	YES*			6	NA
	37.5° to 45°	21	YES			33	YES*			6	6

160 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	NA	NA	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		NA	NA	YES	YES	NA	NA
	7.5° to 15°	NA	NA			NA	NA			NA	NA
	15° to 22.5°	NA	NA			NA	NA			NA	NA
	22.5° to 30°	NA	NA			NA	NA			NA	NA
	30° to 37.5°	NA	NA			NA	NA			NA	NA
	37.5° to 45°	18	YES			29	YES*			6	NA

170 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	NA	NA	NA		NA	NA	NA	NA	NA	NA
	7.5° to 15°	NA	NA			NA	NA			NA	NA
	15° to 22.5°	NA	NA			NA	NA			NA	NA
	22.5° to 30°	NA	NA			NA	NA			NA	NA
	30° to 37.5°	NA	NA			NA	NA			NA	NA
	37.5° to 45°	NA	NA			NA	NA			NA	NA

110 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	110 psf Ground Snow Load 5-Module Configurations
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90 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	30	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	39	OK	OK	OK	OK	18 x 12	24	42	OK	OK	OK	OK	18 x 12
	22.5° to 30°	24	51	OK	OK	OK	OK	18 x 18	24	54	OK	OK	OK	OK	21 x 18
	30° to 37.5°	24	57	OK	OK	OK	OK	21 x 21	24	63	OK	OK	OK	OK	24 x 21
	37.5° to 45°	24	63	OK	OK	OK	OK	24 x 21	24	75	NA	OK	OK	OK	27 x 27

95 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	30	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	42	OK	OK	OK	OK	18 x 15	24	42	OK	OK	OK	OK	18 x 15
	22.5° to 30°	24	54	OK	OK	OK	OK	21 x 18	24	54	OK	OK	OK	OK	21 x 18
	30° to 37.5°	24	60	OK	OK	OK	OK	24 x 21	24	63	OK	OK	OK	OK	24 x 24
	37.5° to 45°	24	63	OK	OK	OK	OK	24 x 21	24	78	NA	OK	OK	OK	30 x 27

100 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	33	OK	OK	OK	OK	18 x 12	24	33	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	45	OK	OK	OK	OK	18 x 15	24	45	OK	OK	OK	OK	18 x 15
	22.5° to 30°	24	54	OK	OK	OK	OK	21 x 21	24	57	OK	OK	OK	OK	21 x 21
	30° to 37.5°	24	63	OK	OK	OK	OK	24 x 21	24	66	OK	OK	OK	OK	24 x 24
	37.5° to 45°	24	63	OK	OK	OK	OK	24 x 21	24	78	NA	OK	OK	OK	30 x 27

105 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	36	OK	OK	OK	OK	18 x 12	24	33	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	45	OK	OK	OK	OK	18 x 15	24	45	OK	OK	OK	OK	18 x 15
	22.5° to 30°	24	57	OK	OK	OK	OK	21 x 21	24	57	OK	OK	OK	OK	21 x 21
	30° to 37.5°	24	63	OK	OK	OK	OK	24 x 24	24	66	OK	OK	OK	OK	24 x 24
	37.5° to 45°	24	63	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

110 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	110 psf Ground Snow Load 5-Module Configurations
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110 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	36	OK	OK	OK	OK	18 x 12	24	36	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	48	OK	OK	OK	OK	18 x 18	24	45	OK	OK	OK	OK	18 x 18
	22.5° to 30°	24	60	OK	OK	OK	OK	21 x 21	24	60	OK	OK	OK	OK	24 x 21
	30° to 37.5°	24	63	OK	OK	OK	OK	24 x 24	24	69	NA	OK	OK	OK	27 x 24
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

120 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	39	OK	OK	OK	OK	18 x 12	24	36	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	51	OK	OK	OK	OK	21 x 18	24	48	OK	OK	OK	OK	21 x 18
	22.5° to 30°	24	63	OK	OK	OK	OK	24 x 24	24	60	OK	OK	OK	OK	24 x 21
	30° to 37.5°	24	66	OK	OK	OK	OK	24 x 24	24	72	NA	OK	OK	OK	27 x 27
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

130 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	42	OK	OK	OK	OK	18 x 15	24	39	OK	OK	OK	OK	18 x 15
	15° to 22.5°	24	54	OK	OK	OK	OK	21 x 21	24	51	OK	OK	OK	OK	21 x 18
	22.5° to 30°	24	66	NA	OK	OK	OK	24 x 24	24	63	NA	OK	OK	OK	24 x 24
	30° to 37.5°	24	66	OK	OK	OK	OK	24 x 24	24	72	NA	OK	OK	OK	27 x 27
	37.5° to 45°	24	63	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

140 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	15° to 22.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	22.5° to 30°	24	69	NA	OK	OK	OK	27 x 24	24	66	NA	OK	OK	OK	24 x 24
	30° to 37.5°	24	69	NA	OK	OK	OK	27 x 24	24	75	NA	OK	OK	OK	30 x 27
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

110 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	110 psf Ground Snow Load 5-Module Configurations
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150 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	27	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 12
	7.5° to 15°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	15° to 22.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	22.5° to 30°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	30° to 37.5°	24	69	NA	OK	OK	OK	27 x 24	24	78	NA	NA	OK	OK	30 x 27
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

160 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7.5° to 15°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	15° to 22.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	22.5° to 30°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	30° to 37.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

170 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7.5° to 15°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	15° to 22.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	22.5° to 30°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	30° to 37.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	37.5° to 45°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

120 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	120 psf Ground Snow Load 5-Module Configurations
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90 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Post Span (PS, in)	Required Braces			Max Post Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	41	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		37	YES	YES	YES	6	NA
	7.5° to 15°	42	YES			38	YES			6	NA
	15° to 22.5°	46	YES			46	YES			5	6
	22.5° to 30°	49	YES			51	YES			5	5
	30° to 37.5°	53	YES			61	YES			4	5
	37.5° to 45°	50	YES			74	YES*			3	4

95 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	41	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		37	YES	YES	YES	6	NA
	7.5° to 15°	42	YES			38	YES			6	NA
	15° to 22.5°	45	YES			45	YES			5	6
	22.5° to 30°	48	YES			50	YES			5	5
	30° to 37.5°	52	YES			58	YES			4	5
	37.5° to 45°	47	YES			71	YES*			4	4

100 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	41	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		37	YES	YES	YES	6	NA
	7.5° to 15°	42	YES			38	YES			6	NA
	15° to 22.5°	45	YES			44	YES			6	6
	22.5° to 30°	47	YES			48	YES			5	6
	30° to 37.5°	51	YES			56	YES			4	5
	37.5° to 45°	43	YES			67	YES*			4	4

105 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	41	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		37	YES	YES	YES	6	NA
	7.5° to 15°	42	YES			38	YES			6	NA
	15° to 22.5°	44	YES			42	YES			6	6
	22.5° to 30°	46	YES			46	YES			5	6
	30° to 37.5°	49	YES			53	YES			5	5
	37.5° to 45°	40	YES			64	YES*			4	4

110 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	41	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		37	YES	YES	YES	6	NA
	7.5° to 15°	42	YES			38	YES			6	NA
	15° to 22.5°	44	YES			41	YES			6	6
	22.5° to 30°	45	YES			45	YES			5	6
	30° to 37.5°	45	YES			51	YES			5	5
	37.5° to 45°	37	YES			61	YES*			4	5

120 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	41	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		37	YES	YES	YES	6	NA
	7.5° to 15°	41	YES			36	YES			6	NA
	15° to 22.5°	42	YES			39	YES			6	NA
	22.5° to 30°	44	YES			41	YES			6	6
	30° to 37.5°	40	YES			47	YES*			5	6
	37.5° to 45°	32	YES			51	YES*			4	5

120 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	120 psf Ground Snow Load 5-Module Configurations
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130 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	41	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		37	YES	YES	YES	6	NA
	7.5° to 15°	NA	NA			NA	NA			NA	NA
	15° to 22.5°	41	YES			36	YES			6	NA
	22.5° to 30°	42	YES			38	YES			6	NA
	30° to 37.5°	35	YES			43	YES*			6	6
	37.5° to 45°	27	YES			44	YES*			5	5

140 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	41	YES	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		37	YES	YES	YES	6	NA
	7.5° to 15°	NA	NA			NA	NA			NA	NA
	15° to 22.5°	NA	NA			NA	NA			NA	NA
	22.5° to 30°	NA	NA			NA	NA			NA	NA
	30° to 37.5°	31	YES			39	YES*			6	NA
	37.5° to 45°	24	YES			38	YES*			5	6

150 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	NA	NA	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		NA	NA	YES	YES	NA	NA
	7.5° to 15°	NA	NA			NA	NA			NA	NA
	15° to 22.5°	NA	NA			NA	NA			NA	NA
	22.5° to 30°	NA	NA			NA	NA			NA	NA
	30° to 37.5°	NA	NA			NA	NA			NA	NA
	37.5° to 45°	21	YES			33	YES*			6	6

160 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	NA	NA	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		NA	NA	YES	YES	NA	NA
	7.5° to 15°	NA	NA			NA	NA			NA	NA
	15° to 22.5°	NA	NA			NA	NA			NA	NA
	22.5° to 30°	NA	NA			NA	NA			NA	NA
	30° to 37.5°	NA	NA			NA	NA			NA	NA
	37.5° to 45°	18	YES			29	YES*			6	NA

170 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	NA	NA	NA		NA	NA	NA	NA	NA	NA
	7.5° to 15°	NA	NA			NA	NA			NA	NA
	15° to 22.5°	NA	NA			NA	NA			NA	NA
	22.5° to 30°	NA	NA			NA	NA			NA	NA
	30° to 37.5°	NA	NA			NA	NA			NA	NA
	37.5° to 45°	NA	NA			NA	NA			NA	NA

120 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	120 psf Ground Snow Load 5-Module Configurations
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90 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	30	OK	OK	OK	OK	18 x 12	24	27	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	39	OK	OK	OK	OK	18 x 12	24	39	OK	OK	OK	OK	18 x 12
	22.5° to 30°	24	51	OK	OK	OK	OK	18 x 18	24	51	OK	OK	OK	OK	21 x 18
	30° to 37.5°	24	57	OK	OK	OK	OK	21 x 21	24	60	OK	OK	OK	OK	24 x 21
	37.5° to 45°	24	60	OK	OK	OK	OK	24 x 21	24	72	NA	OK	OK	OK	27 x 27

95 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	30	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	42	OK	OK	OK	OK	18 x 15	24	42	OK	OK	OK	OK	18 x 15
	22.5° to 30°	24	51	OK	OK	OK	OK	21 x 18	24	54	OK	OK	OK	OK	21 x 18
	30° to 37.5°	24	60	OK	OK	OK	OK	24 x 21	24	63	OK	OK	OK	OK	24 x 21
	37.5° to 45°	24	63	OK	OK	OK	OK	24 x 21	24	75	NA	OK	OK	OK	30 x 27

100 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	33	OK	OK	OK	OK	18 x 12	24	30	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	42	OK	OK	OK	OK	18 x 15	24	42	OK	OK	OK	OK	18 x 15
	22.5° to 30°	24	54	OK	OK	OK	OK	21 x 18	24	54	OK	OK	OK	OK	21 x 21
	30° to 37.5°	24	63	OK	OK	OK	OK	24 x 21	24	66	OK	OK	OK	OK	24 x 24
	37.5° to 45°	24	63	OK	OK	OK	OK	24 x 21	24	78	NA	OK	OK	OK	30 x 27

105 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	33	OK	OK	OK	OK	18 x 12	24	33	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	45	OK	OK	OK	OK	18 x 15	24	45	OK	OK	OK	OK	18 x 15
	22.5° to 30°	24	57	OK	OK	OK	OK	21 x 21	24	57	OK	OK	OK	OK	21 x 21
	30° to 37.5°	24	63	OK	OK	OK	OK	24 x 24	24	66	OK	OK	OK	OK	24 x 24
	37.5° to 45°	24	63	OK	OK	OK	OK	24 x 24	24	78	NA	OK	OK	OK	30 x 30

120 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	120 psf Ground Snow Load 5-Module Configurations
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110 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	36	OK	OK	OK	OK	18 x 12	24	33	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	48	OK	OK	OK	OK	18 x 18	24	45	OK	OK	OK	OK	18 x 18
	22.5° to 30°	24	57	OK	OK	OK	OK	21 x 21	24	57	OK	OK	OK	OK	21 x 21
	30° to 37.5°	24	63	OK	OK	OK	OK	24 x 24	24	66	OK	OK	OK	OK	27 x 24
	37.5° to 45°	24	63	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

120 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	24	36	OK	OK	OK	OK	18 x 12	24	36	OK	OK	OK	OK	18 x 12
	15° to 22.5°	24	48	OK	OK	OK	OK	21 x 18	24	48	OK	OK	OK	OK	18 x 18
	22.5° to 30°	24	63	OK	OK	OK	OK	24 x 21	24	60	OK	OK	OK	OK	24 x 21
	30° to 37.5°	24	66	OK	OK	OK	OK	24 x 24	24	72	NA	OK	OK	OK	27 x 24
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

130 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	15° to 22.5°	24	54	OK	OK	OK	OK	21 x 21	24	48	OK	OK	OK	OK	21 x 18
	22.5° to 30°	24	66	NA	OK	OK	OK	24 x 24	24	63	OK	OK	OK	OK	24 x 21
	30° to 37.5°	24	66	OK	OK	OK	OK	24 x 24	24	72	NA	OK	OK	OK	27 x 27
	37.5° to 45°	24	63	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

140 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	24	24	OK	OK	OK	OK	18 x 12	24	24	OK	OK	OK	OK	18 x 12
	7.5° to 15°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	15° to 22.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	22.5° to 30°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	30° to 37.5°	24	66	NA	OK	OK	OK	24 x 24	24	75	NA	OK	OK	OK	27 x 27
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

120 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	120 psf Ground Snow Load 5-Module Configurations
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150 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7.5° to 15°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	15° to 22.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	22.5° to 30°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	30° to 37.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

160 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7.5° to 15°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	15° to 22.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	22.5° to 30°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	30° to 37.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

170 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7.5° to 15°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	15° to 22.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	22.5° to 30°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	30° to 37.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	37.5° to 45°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

130 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	130 psf Ground Snow Load 5-Module Configurations
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90 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Post Span (PS, in)	Required Braces			Max Post Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	NA	NA	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		NA	NA	YES	YES	NA	NA
	7.5° to 15°	NA	NA			NA	NA			NA	NA
	15° to 22.5°	44	YES			43	YES			6	6
	22.5° to 30°	48	YES			49	YES			5	5
	30° to 37.5°	52	YES			58	YES			4	5
	37.5° to 45°	50	YES			72	YES*			4	4

95 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	NA	NA	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		NA	NA	YES	YES	NA	NA
	7.5° to 15°	NA	NA			NA	NA			NA	NA
	15° to 22.5°	44	YES			42	YES			6	6
	22.5° to 30°	47	YES			47	YES			5	6
	30° to 37.5°	51	YES			56	YES			4	5
	37.5° to 45°	46	YES			68	YES*			4	4

100 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	NA	NA	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		NA	NA	YES	YES	NA	NA
	7.5° to 15°	NA	NA			NA	NA			NA	NA
	15° to 22.5°	44	YES			41	YES			6	6
	22.5° to 30°	46	YES			46	YES			5	6
	30° to 37.5°	50	YES			53	YES			5	5
	37.5° to 45°	42	YES			65	YES*			4	4

105 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	NA	NA	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		NA	NA	YES	YES	NA	NA
	7.5° to 15°	NA	NA			NA	NA			NA	NA
	15° to 22.5°	43	YES			40	YES			6	NA
	22.5° to 30°	45	YES			44	YES			5	6
	30° to 37.5°	47	YES			51	YES			5	5
	37.5° to 45°	39	YES			62	YES*			4	4

110 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	NA	NA	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		NA	NA	YES	YES	NA	NA
	7.5° to 15°	NA	NA			NA	NA			NA	NA
	15° to 22.5°	42	YES			39	YES			6	NA
	22.5° to 30°	44	YES			43	YES			6	6
	30° to 37.5°	45	YES			49	YES			5	5
	37.5° to 45°	37	YES			59	YES*			4	5

120 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	NA	NA	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		NA	NA	YES	YES	NA	NA
	7.5° to 15°	NA	NA			NA	NA			NA	NA
	15° to 22.5°	41	YES			37	YES			6	NA
	22.5° to 30°	43	YES			40	YES			6	NA
	30° to 37.5°	39	YES			45	YES*			5	6
	37.5° to 45°	32	YES			51	YES*			5	5

130 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	130 psf Ground Snow Load 5-Module Configurations
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130 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	NA	NA	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay	NA	NA	YES	YES	NA	NA	
	7.5° to 15°	NA	NA		NA	NA			NA	NA	
	15° to 22.5°	NA	NA		NA	NA			NA	NA	
	22.5° to 30°	41	YES		37	YES			6	NA	
	30° to 37.5°	35	YES		41	YES*			6	6	
	37.5° to 45°	27	YES		44	YES*			5	6	

140 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	NA	NA	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay	NA	NA	YES	YES	NA	NA	
	7.5° to 15°	NA	NA		NA	NA			NA	NA	
	15° to 22.5°	NA	NA		NA	NA			NA	NA	
	22.5° to 30°	NA	NA		NA	NA			NA	NA	
	30° to 37.5°	31	YES		38	YES*			6	NA	
	37.5° to 45°	24	YES		38	YES*			5	6	

150 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	NA	NA	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		NA	NA	YES	YES	NA	NA
	7.5° to 15°	NA	NA			NA	NA			NA	NA
	15° to 22.5°	NA	NA			NA	NA			NA	NA
	22.5° to 30°	NA	NA			NA	NA			NA	NA
	30° to 37.5°	NA	NA			NA	NA			NA	NA
	37.5° to 45°	21	YES			33	YES*			6	NA

160 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	NA	NA	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		NA	NA	YES	YES	NA	NA
	7.5° to 15°	NA	NA			NA	NA			NA	NA
	15° to 22.5°	NA	NA			NA	NA			NA	NA
	22.5° to 30°	NA	NA			NA	NA			NA	NA
	30° to 37.5°	NA	NA			NA	NA			NA	NA
	37.5° to 45°	18	YES			29	YES*			6	NA

170 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	NA	NA	NA		NA	NA	NA	NA	NA	NA
	7.5° to 15°	NA	NA			NA	NA			NA	NA
	15° to 22.5°	NA	NA			NA	NA			NA	NA
	22.5° to 30°	NA	NA			NA	NA			NA	NA
	30° to 37.5°	NA	NA			NA	NA			NA	NA
	37.5° to 45°	NA	NA			NA	NA			NA	NA

130 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	130 psf Ground Snow Load 5-Module Configurations
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90 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7.5° to 15°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	15° to 22.5°	24	39	OK	OK	OK	OK	18 x 12	24	39	OK	OK	OK	OK	18 x 12
	22.5° to 30°	24	51	OK	OK	OK	OK	18 x 18	24	51	OK	OK	OK	OK	18 x 18
	30° to 37.5°	24	57	OK	OK	OK	OK	21 x 21	24	60	OK	OK	OK	OK	24 x 21
	37.5° to 45°	24	60	OK	OK	OK	OK	24 x 21	24	72	NA	OK	OK	OK	27 x 27

95 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7.5° to 15°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	15° to 22.5°	24	42	OK	OK	OK	OK	18 x 12	24	39	OK	OK	OK	OK	18 x 12
	22.5° to 30°	24	51	OK	OK	OK	OK	21 x 18	24	51	OK	OK	OK	OK	21 x 18
	30° to 37.5°	24	60	OK	OK	OK	OK	21 x 21	24	60	OK	OK	OK	OK	24 x 21
	37.5° to 45°	24	60	OK	OK	OK	OK	24 x 21	24	75	NA	OK	OK	OK	27 x 27

100 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7.5° to 15°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	15° to 22.5°	24	42	OK	OK	OK	OK	18 x 15	24	42	OK	OK	OK	OK	18 x 15
	22.5° to 30°	24	54	OK	OK	OK	OK	21 x 18	24	54	OK	OK	OK	OK	21 x 18
	30° to 37.5°	24	60	OK	OK	OK	OK	24 x 21	24	63	OK	OK	OK	OK	24 x 21
	37.5° to 45°	24	63	OK	OK	OK	OK	24 x 21	24	75	NA	OK	OK	OK	30 x 27

105 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7.5° to 15°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	15° to 22.5°	24	45	OK	OK	OK	OK	18 x 15	24	42	OK	OK	OK	OK	18 x 15
	22.5° to 30°	24	54	OK	OK	OK	OK	21 x 21	24	54	OK	OK	OK	OK	21 x 21
	30° to 37.5°	24	63	OK	OK	OK	OK	24 x 21	24	66	OK	OK	OK	OK	24 x 24
	37.5° to 45°	24	63	OK	OK	OK	OK	24 x 21	24	78	NA	OK	OK	OK	30 x 27

130 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	130 psf Ground Snow Load 5-Module Configurations
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110 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7.5° to 15°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	15° to 22.5°	24	45	OK	OK	OK	OK	18 x 18	24	45	OK	OK	OK	OK	18 x 15
	22.5° to 30°	24	57	OK	OK	OK	OK	21 x 21	24	57	OK	OK	OK	OK	21 x 21
	30° to 37.5°	24	63	OK	OK	OK	OK	24 x 24	24	66	OK	OK	OK	OK	24 x 24
	37.5° to 45°	24	63	OK	OK	OK	OK	24 x 24	24	78	NA	OK	OK	OK	30 x 30

120 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7.5° to 15°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	15° to 22.5°	24	48	OK	OK	OK	OK	21 x 18	24	48	OK	OK	OK	OK	18 x 18
	22.5° to 30°	24	60	OK	OK	OK	OK	24 x 21	24	60	OK	OK	OK	OK	24 x 21
	30° to 37.5°	24	66	OK	OK	OK	OK	24 x 24	24	69	NA	OK	OK	OK	27 x 24
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

130 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7.5° to 15°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	15° to 22.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	22.5° to 30°	24	66	NA	OK	OK	OK	24 x 24	24	63	OK	OK	OK	OK	24 x 21
	30° to 37.5°	24	66	OK	OK	OK	OK	24 x 24	24	72	NA	OK	OK	OK	27 x 27
	37.5° to 45°	24	63	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

140 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7.5° to 15°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	15° to 22.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	22.5° to 30°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	30° to 37.5°	24	66	NA	OK	OK	OK	24 x 24	24	75	NA	OK	OK	OK	27 x 27
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

130 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	130 psf Ground Snow Load 5-Module Configurations
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150 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7.5° to 15°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	15° to 22.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	22.5° to 30°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	30° to 37.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

160 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7.5° to 15°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	15° to 22.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	22.5° to 30°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	30° to 37.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

170 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7.5° to 15°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	15° to 22.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	22.5° to 30°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	30° to 37.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	37.5° to 45°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

140 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	140 psf Ground Snow Load 5-Module Configurations
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90 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Post Span (PS, in)	Required Braces			Max Post Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	NA	NA	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		NA	NA	YES	YES	NA	NA
	7.5° to 15°	NA	NA			NA	NA			NA	NA
	15° to 22.5°	43	YES			40	YES			6	NA
	22.5° to 30°	46	YES			47	YES			5	6
	30° to 37.5°	51	YES			55	YES			4	5
	37.5° to 45°	49	YES			69	YES*			4	4

95 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	NA	NA	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay	NA	NA	YES	YES	NA	NA	
	7.5° to 15°	NA	NA		NA	NA			NA	NA	
	15° to 22.5°	43	YES		40	YES			6	NA	
	22.5° to 30°	46	YES		45	YES			5	6	
	30° to 37.5°	50	YES		53	YES			5	5	
	37.5° to 45°	45	YES		66	YES*			4	4	

100 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	NA	NA	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay	NA	NA	YES	YES	NA	NA	
	7.5° to 15°	NA	NA		NA	NA			NA	NA	
	15° to 22.5°	42	YES		39	YES			6	NA	
	22.5° to 30°	45	YES		44	YES			5	6	
	30° to 37.5°	49	YES		51	YES			5	5	
	37.5° to 45°	42	YES		63	YES*			4	4	

105 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	NA	NA	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		NA	NA	YES	YES	NA	NA
	7.5° to 15°	NA	NA			NA	NA			NA	NA
	15° to 22.5°	42	YES			38	YES			6	NA
	22.5° to 30°	44	YES			42	YES			6	6
	30° to 37.5°	46	YES			49	YES			5	5
	37.5° to 45°	39	YES			60	YES*			4	5

110 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	NA	NA	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay	NA	NA	YES	YES	NA	NA	
	7.5° to 15°	NA	NA		NA	NA			NA	NA	
	15° to 22.5°	41	YES		37	YES			6	NA	
	22.5° to 30°	43	YES		41	YES			6	6	
	30° to 37.5°	44	YES		47	YES			5	6	
	37.5° to 45°	36	YES		57	YES*			4	5	

120 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	NA	NA	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		NA	NA	YES	YES	NA	NA
	7.5° to 15°	NA	NA			NA	NA			NA	NA
	15° to 22.5°	NA	NA			NA	NA			NA	NA
	22.5° to 30°	42	YES			38	YES			6	NA
	30° to 37.5°	39	YES			44	YES*			6	6
	37.5° to 45°	32	YES			51	YES*			5	5

140 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Configuration Tables	140 psf Ground Snow Load 5-Module Configurations
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130 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85" Max Size	45" x 95" Max Size
			A	C	D		A	E	F		
Tilt Angle	0° to 7.5°	NA	NA	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay	NA	NA	YES	YES	NA	NA	
	7.5° to 15°	NA	NA		NA	NA			NA	NA	
	15° to 22.5°	NA	NA		NA	NA			NA	NA	
	22.5° to 30°	NA	NA		NA	NA			NA	NA	
	30° to 37.5°	34	YES		40	YES*			6	NA	
	37.5° to 45°	27	YES		44	YES*			5	6	

140 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	NA	NA	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay	NA	NA	YES	YES	NA	NA	
	7.5° to 15°	NA	NA		NA	NA			NA	NA	
	15° to 22.5°	NA	NA		NA	NA			NA	NA	
	22.5° to 30°	NA	NA		NA	NA			NA	NA	
	30° to 37.5°	31	YES		37	YES*			6	NA	
	37.5° to 45°	24	YES		38	YES*			6	6	

150 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	NA	NA	Based on Site SDS: SDS ≤ 1.0: Every 3rd Bay SDS ≤ 2.0: Every 2nd Bay SDS > 2.0: Every Bay		NA	NA	YES	YES	NA	NA
	7.5° to 15°	NA	NA			NA	NA			NA	NA
	15° to 22.5°	NA	NA			NA	NA			NA	NA
	22.5° to 30°	NA	NA			NA	NA			NA	NA
	30° to 37.5°	NA	NA			NA	NA			NA	NA
	37.5° to 45°	21	YES			33	YES*			6	NA

160 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	NA	NA	NA		NA	NA	NA	NA	NA	NA
	7.5° to 15°	NA	NA			NA	NA			NA	NA
	15° to 22.5°	NA	NA			NA	NA			NA	NA
	22.5° to 30°	NA	NA			NA	NA			NA	NA
	30° to 37.5°	NA	NA			NA	NA			NA	NA
	37.5° to 45°	NA	NA			NA	NA			NA	NA

170 mph Wind Speed		Standard Installations				Braced Installations				# of Rails Required Per Panel	
		Max Pipe Span (PS, in)	Required Braces			Max Pipe Span (PS, in)	Required Braces			45" x 85"	45" x 95"
			A	C	D		A	E	F	Max Size	Max Size
Tilt Angle	0° to 7.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	7.5° to 15°	NA	NA		NA	NA			NA	NA	
	15° to 22.5°	NA	NA		NA	NA			NA	NA	
	22.5° to 30°	NA	NA		NA	NA			NA	NA	
	30° to 37.5°	NA	NA		NA	NA			NA	NA	
	37.5° to 45°	NA	NA		NA	NA			NA	NA	NA

140 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	140 psf Ground Snow Load 5-Module Configurations
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90 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7.5° to 15°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	15° to 22.5°	24	39	OK	OK	OK	OK	18 x 12	24	36	OK	OK	OK	OK	18 x 12
	22.5° to 30°	24	48	OK	OK	OK	OK	18 x 18	24	48	OK	OK	OK	OK	18 x 18
	30° to 37.5°	24	57	OK	OK	OK	OK	21 x 21	24	57	OK	OK	OK	OK	21 x 21
	37.5° to 45°	24	60	OK	OK	OK	OK	24 x 21	24	72	OK	OK	OK	OK	27 x 24

95 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7.5° to 15°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	15° to 22.5°	24	42	OK	OK	OK	OK	18 x 12	24	39	OK	OK	OK	OK	18 x 12
	22.5° to 30°	24	51	OK	OK	OK	OK	21 x 18	24	51	OK	OK	OK	OK	18 x 18
	30° to 37.5°	24	57	OK	OK	OK	OK	21 x 21	24	60	OK	OK	OK	OK	24 x 21
	37.5° to 45°	24	60	OK	OK	OK	OK	24 x 21	24	72	NA	OK	OK	OK	27 x 27

100 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7.5° to 15°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	15° to 22.5°	24	42	OK	OK	OK	OK	18 x 15	24	42	OK	OK	OK	OK	18 x 12
	22.5° to 30°	24	54	OK	OK	OK	OK	21 x 18	24	54	OK	OK	OK	OK	21 x 18
	30° to 37.5°	24	60	OK	OK	OK	OK	24 x 21	24	63	OK	OK	OK	OK	24 x 21
	37.5° to 45°	24	63	OK	OK	OK	OK	24 x 21	24	75	NA	OK	OK	OK	27 x 27

105 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7.5° to 15°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	15° to 22.5°	24	45	OK	OK	OK	OK	18 x 15	24	42	OK	OK	OK	OK	18 x 15
	22.5° to 30°	24	54	OK	OK	OK	OK	21 x 21	24	54	OK	OK	OK	OK	21 x 18
	30° to 37.5°	24	60	OK	OK	OK	OK	24 x 21	24	63	OK	OK	OK	OK	24 x 24
	37.5° to 45°	24	63	OK	OK	OK	OK	24 x 21	24	78	NA	OK	OK	OK	30 x 27

140 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	140 psf Ground Snow Load 5-Module Configurations
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110 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7.5° to 15°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	15° to 22.5°	24	45	OK	OK	OK	OK	18 x 18	24	42	OK	OK	OK	OK	18 x 15
	22.5° to 30°	24	57	OK	OK	OK	OK	21 x 21	24	54	OK	OK	OK	OK	21 x 21
	30° to 37.5°	24	63	OK	OK	OK	OK	24 x 21	24	66	OK	OK	OK	OK	24 x 24
	37.5° to 45°	24	63	OK	OK	OK	OK	24 x 21	24	78	NA	OK	OK	OK	30 x 27

120 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7.5° to 15°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	15° to 22.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	22.5° to 30°	24	60	OK	OK	OK	OK	24 x 21	24	57	OK	OK	OK	OK	21 x 21
	30° to 37.5°	24	66	OK	OK	OK	OK	24 x 24	24	69	NA	OK	OK	OK	27 x 24
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

130 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7.5° to 15°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	15° to 22.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	22.5° to 30°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	30° to 37.5°	24	66	OK	OK	OK	OK	24 x 24	24	72	NA	OK	OK	OK	27 x 24
	37.5° to 45°	24	63	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

140 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7.5° to 15°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	15° to 22.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	22.5° to 30°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	30° to 37.5°	24	66	NA	OK	OK	OK	24 x 24	24	72	NA	OK	OK	OK	27 x 27
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

140 psf Ground Snow Load 5-Module Configurations	SnapNrack Series 200 Ground Mount PV System Foundation Tables	140 psf Ground Snow Load 5-Module Configurations
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150 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7.5° to 15°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	15° to 22.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	22.5° to 30°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	30° to 37.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	37.5° to 45°	24	66	OK	OK	OK	OK	24 x 24	24	81	NA	OK	OK	OK	30 x 30

160 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7.5° to 15°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	15° to 22.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	22.5° to 30°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	30° to 37.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	37.5° to 45°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

170 mph Wind Speed		Standard Installations							Braced Installations						
		Concrete Pier Depth (in)		Ground Screws				Grade Beams	Concrete Pier Depth (in)		Ground Screws				Grade Beams
		18" Diameter		Silty Sand		Sandy Clay		15-ft Long	18" Diameter		Silty Sand		Sandy Clay		15-ft Long
		Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)	Short Leg	Tall Leg	AGS	Krinner	AGS	Krinner	Width x Depth (in)
Tilt Angle	0° to 7.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	7.5° to 15°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	15° to 22.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	22.5° to 30°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	30° to 37.5°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	37.5° to 45°	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA



APPENDIX A: RACKING DETAILS, LIMITATIONS AND INSTALLATION INSTRUCTIONS



North-South Post Spacing:

The post spacing in the North to South direction (perpendicular to the array length) shall be determined as a function of the rail length and tilt angle per the formulas listed below. As an alternative, the tabulated values may be utilized.

- **3-High Formula:** $0.672 * (3 * \text{Module Width}) * \cos(\text{Tilt Angle})$
- **4-High Formula:** $0.622 * (4 * \text{Module Width}) * \cos(\text{Tilt Angle})$
- **5-High Formula:** $0.6 * (5 * \text{Module Width}) * \cos(\text{Tilt Angle})$

North-South Post Spacing (ft-in)										
Maximum Module Width (in)	Array Height	Tilt Angle (deg)								
		5	10	15	20	25	30	35	40	45
42	3-High	7'-0"	6'-11"	6'-9"	6'-7"	6'-4"	6'-1"	5'-9"	5'-4"	4'-11"
	4-High	8'-8"	8'-6"	8'-4"	8'-2"	7'-10"	7'-6"	7'-1"	6'-8"	6'-1"
	5-High	10'-5"	10'-4"	10'-1"	9'-10"	9'-6"	9'-1"	8'-7"	8'-0"	7'-5"
45	3-High	7'-6"	7'-5"	7'-3"	7'-1"	6'-10"	6'-6"	6'-2"	5'-9"	5'-4"
	4-High	9'-3"	9'-2"	9'-0"	8'-9"	8'-5"	8'-0"	7'-7"	7'-1"	6'-7"
	5-High	11'-2"	11'-0"	10'-10"	10'-6"	10'-2"	9'-8"	9'-2"	8'-7"	7'-11"

SEE ENGINEERING TABLES FOR PIER DEPTHS AND SPAN LIMITATIONS.

UNLESS OTHERWISE SPECIFIED IN ENGINEERING DOCS, THE FOLLOWING VALUES APPLY.

MAX RAIL LENGTH (RL) IS 214"

MAXIMUM MODULE WEIGHT IS 65 LBS

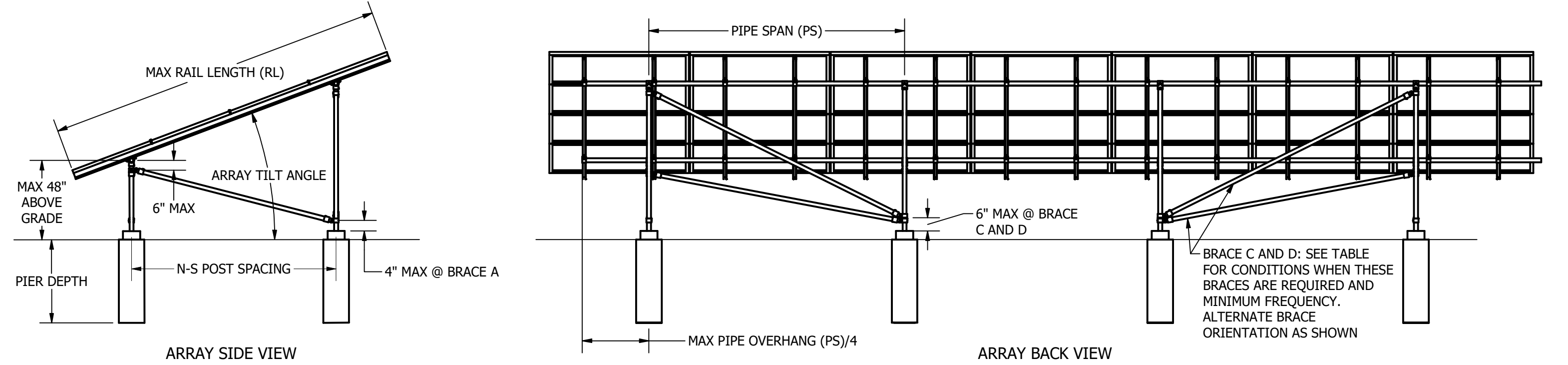
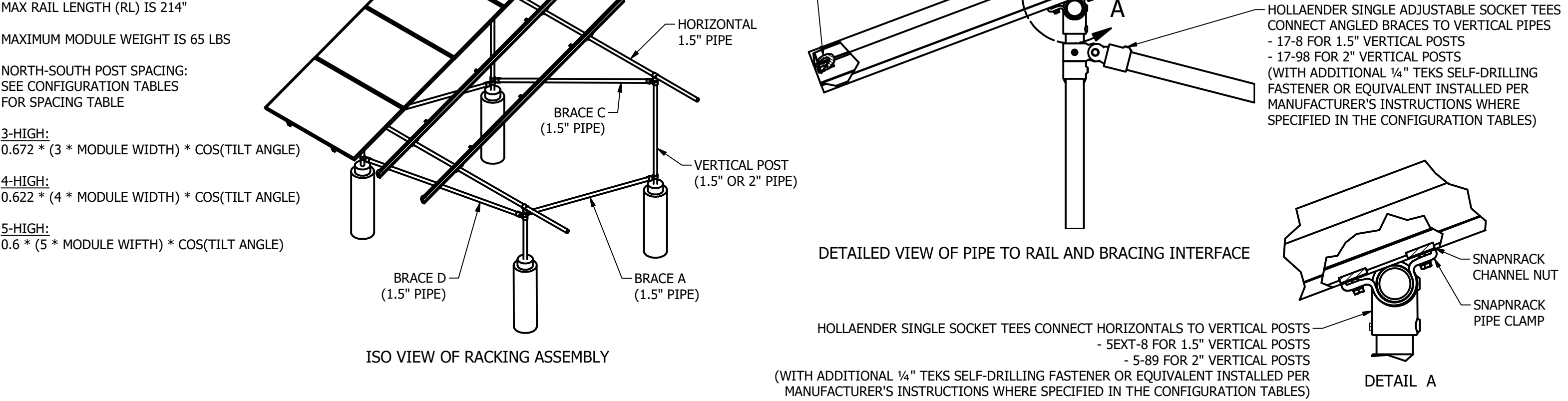
NORTH-SOUTH POST SPACING:
SEE CONFIGURATION TABLES FOR SPACING TABLE

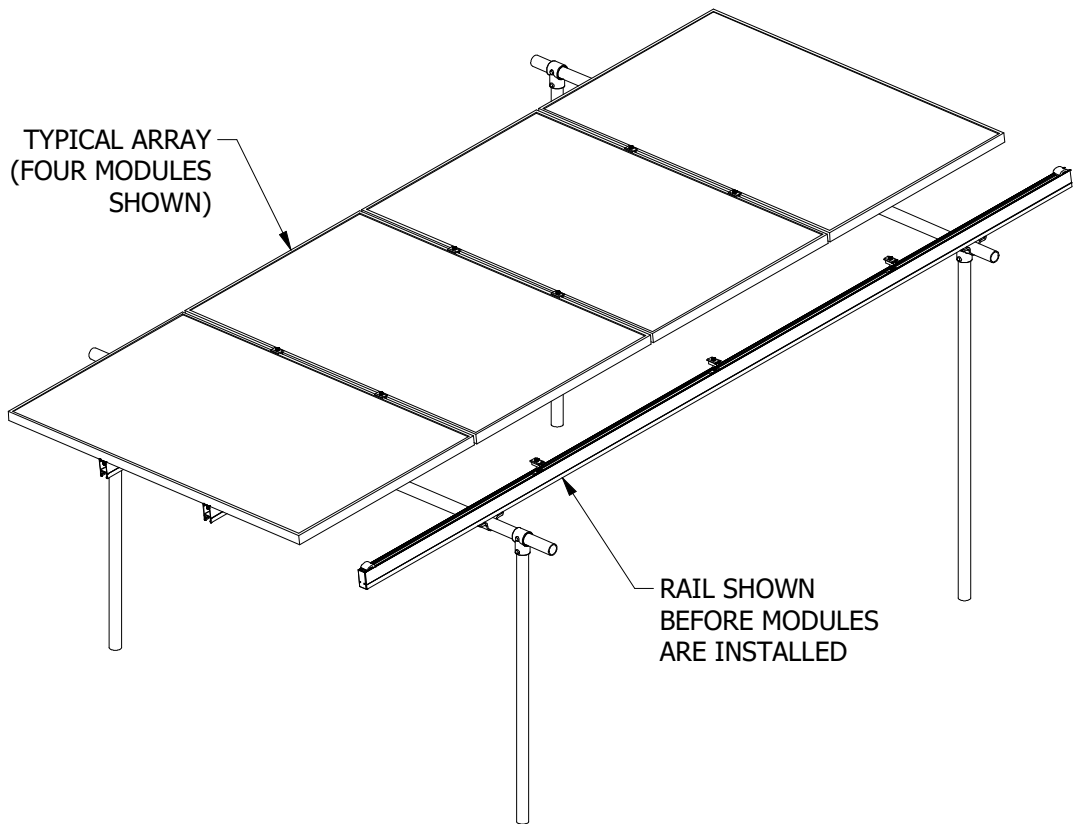
3-HIGH:
 $0.672 * (3 * \text{MODULE WIDTH}) * \cos(\text{TILT ANGLE})$

4-HIGH:
 $0.622 * (4 * \text{MODULE WIDTH}) * \cos(\text{TILT ANGLE})$

5-HIGH:
 $0.6 * (5 * \text{MODULE WIFTH}) * \cos(\text{TILT ANGLE})$

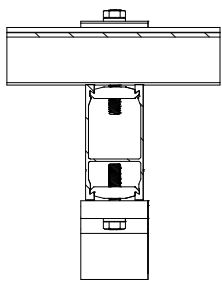
REVISION:
A 10/27/2025 DC006504 MKW



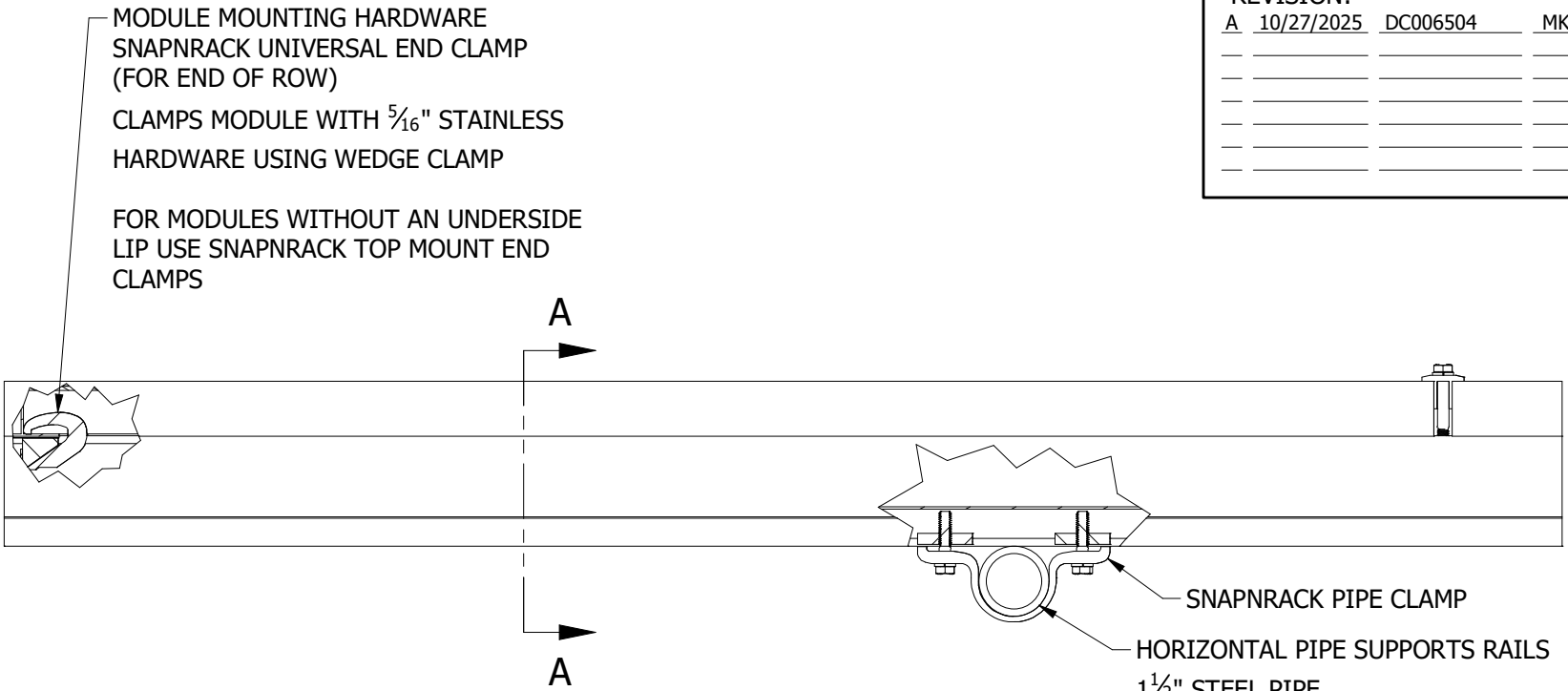


ISO VIEW OF RACKING ASSEMBLY

NOTE:
TORQUE 5/16" SS SILVER HEX BOLTS TO 10-16 FT-LBS
TORQUE 5/16" SS BLACK HEX BOLTS TO 7-9 FT-LBS

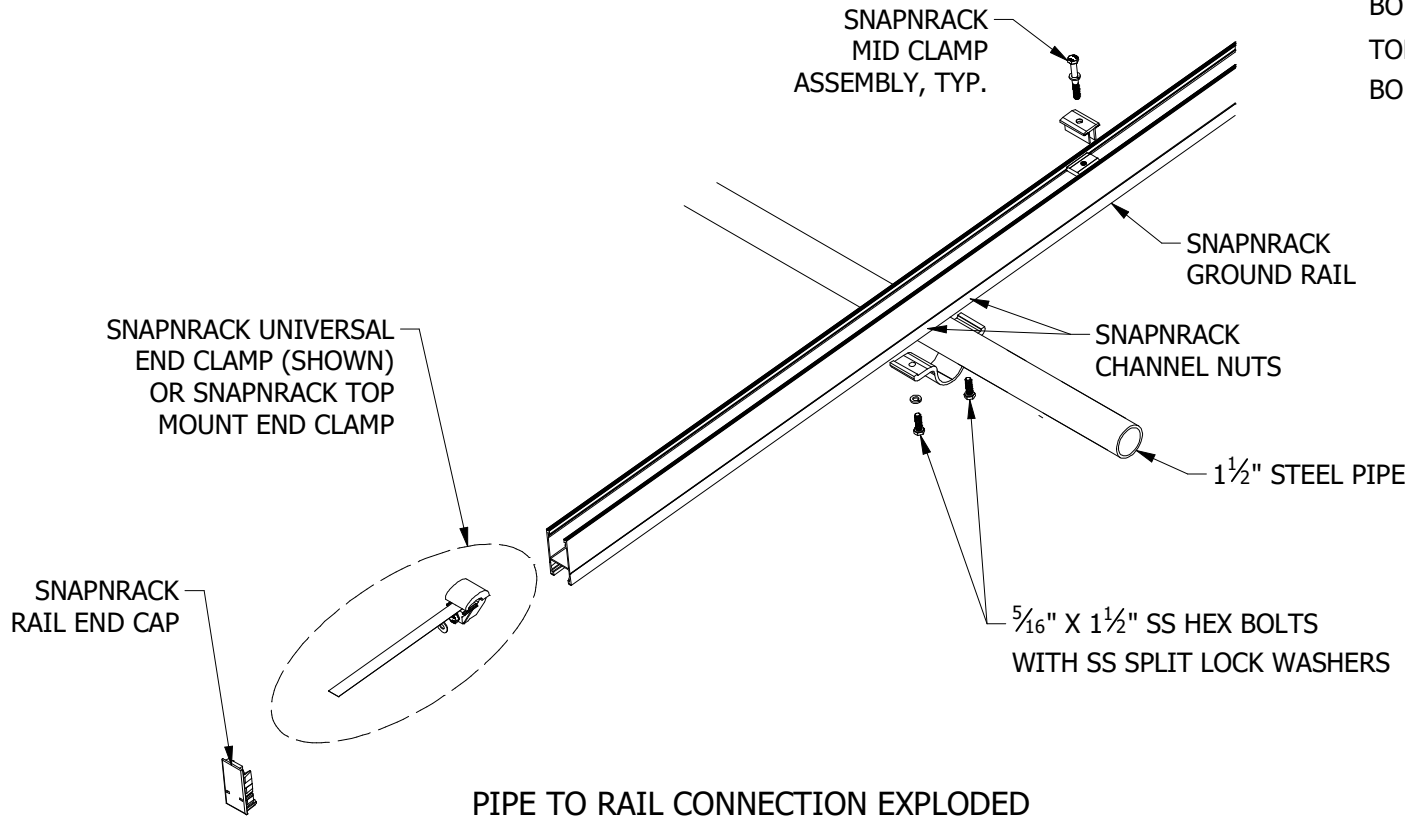


SECTION A-A



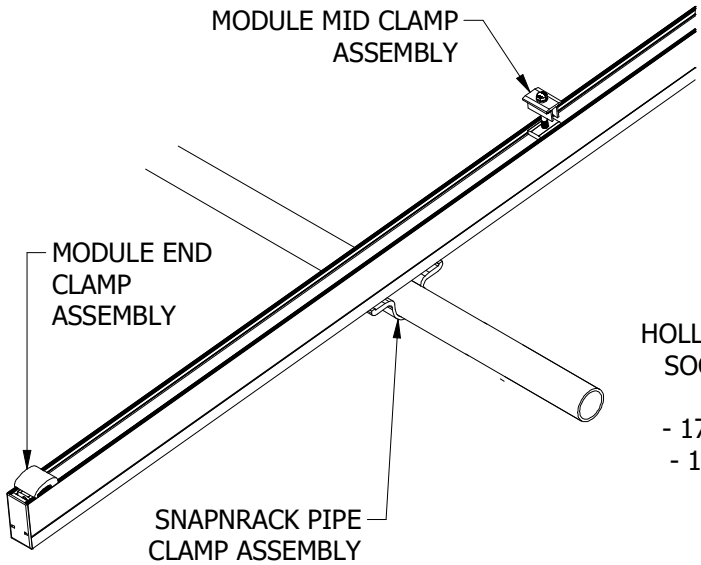
MODULE AND RAIL ATTACHMENT DETAILS

REVISION:		
A	10/27/2025	DC006504 MKW

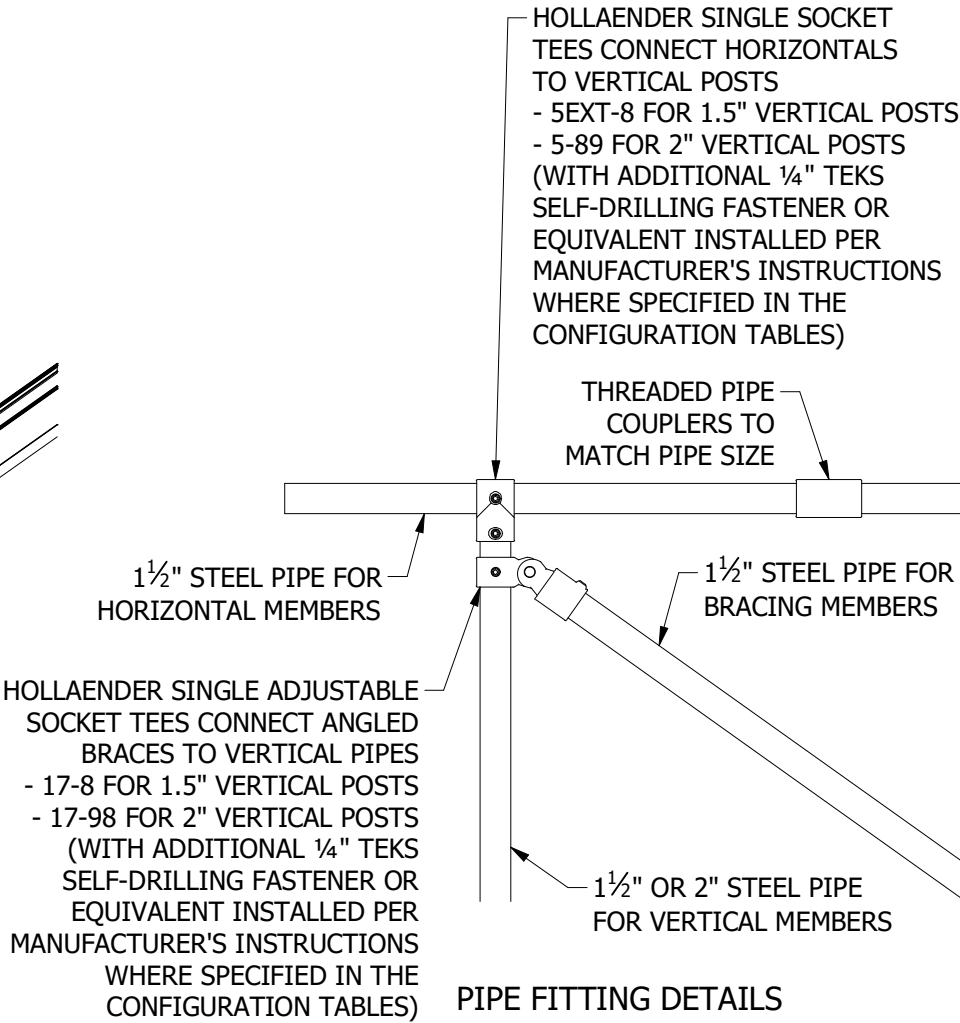


PIPE TO RAIL CONNECTION EXPLODED

NOTE:
TORQUE 5/16" SS SILVER HEX BOLTS TO 10-16 FT-LBS
TORQUE 5/16" SS BLACK HEX BOLTS TO 7-9 FT-LBS



PIPE TO RAIL CONNECTION



PIPE FITTING DETAILS

SnapNrack™

SNR SOLAR LLC
775 FIERO LANE, SUITE 200
SAN LUIS OBISPO, CA 93401 USA
EMAIL: CONTACT@SNAPNRACK.COM

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DESIGNER: H.WULFEKOETTER
DRAFTER: M.WATKINS
APPROVED BY: H.WULFEKOETTER

SHEET: 1:1
DATE: 10/27/2025

DRAWING NUMBER:
SNR-DC-01510

DESCRIPTION:
SERIES 200 SYSTEM DETAILS, VECTOR

REV: A

SEE ENGINEERING TABLES FOR PIER DEPTHS AND SPAN LIMITATIONS.

COMPATIBLE WITH ALL FOUNDATION OPTIONS, SEE DRAWINGS
SNR-DC-00206 AND SNR-DC-00207.

UNLESS OTHERWISE SPECIFIED IN ENGINEERING DOCS, THE
FOLLOWING VALUES APPLY.

MAX RAIL LENGTH (RL) IS 214"

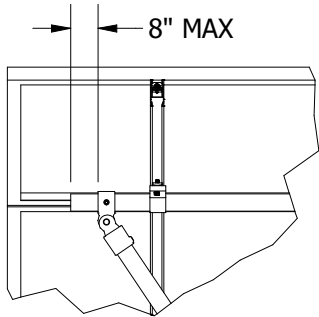
MAXIMUM MODULE WEIGHT IS 65 LBS

NORTH-SOUTH POST SPACING:
SEE CONFIGURATION TABLES
FOR SPACING TABLE

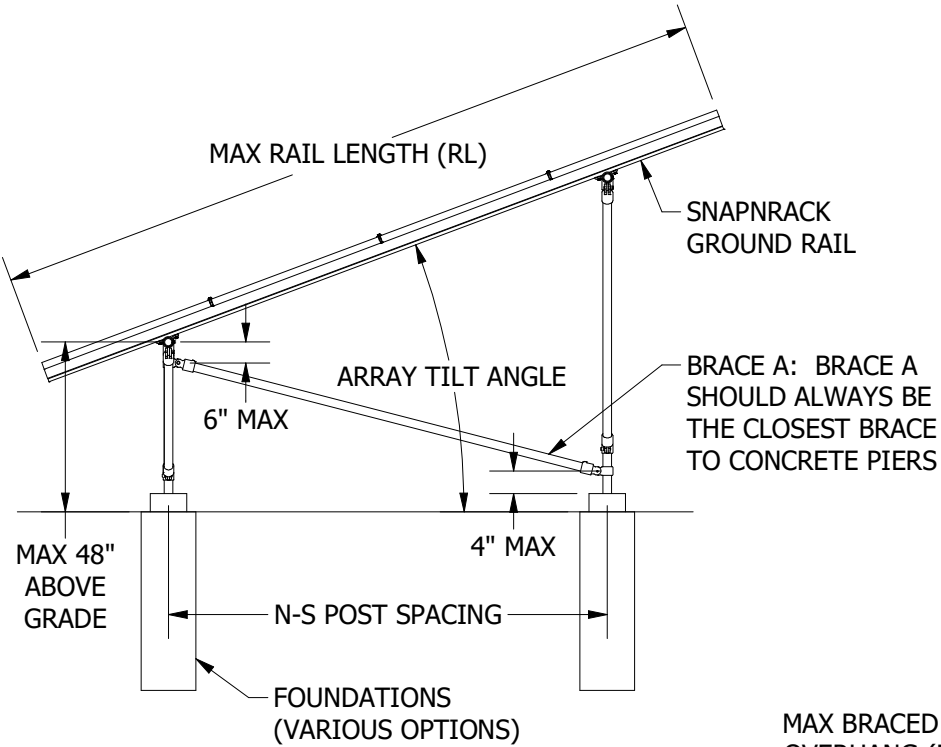
3-HIGH:
 $0.672 * (3 * \text{MODULE WIDTH}) * \cos(\text{TILT ANGLE})$

4-HIGH:
 $0.622 * (4 * \text{MODULE WIDTH}) * \cos(\text{TILT ANGLE})$

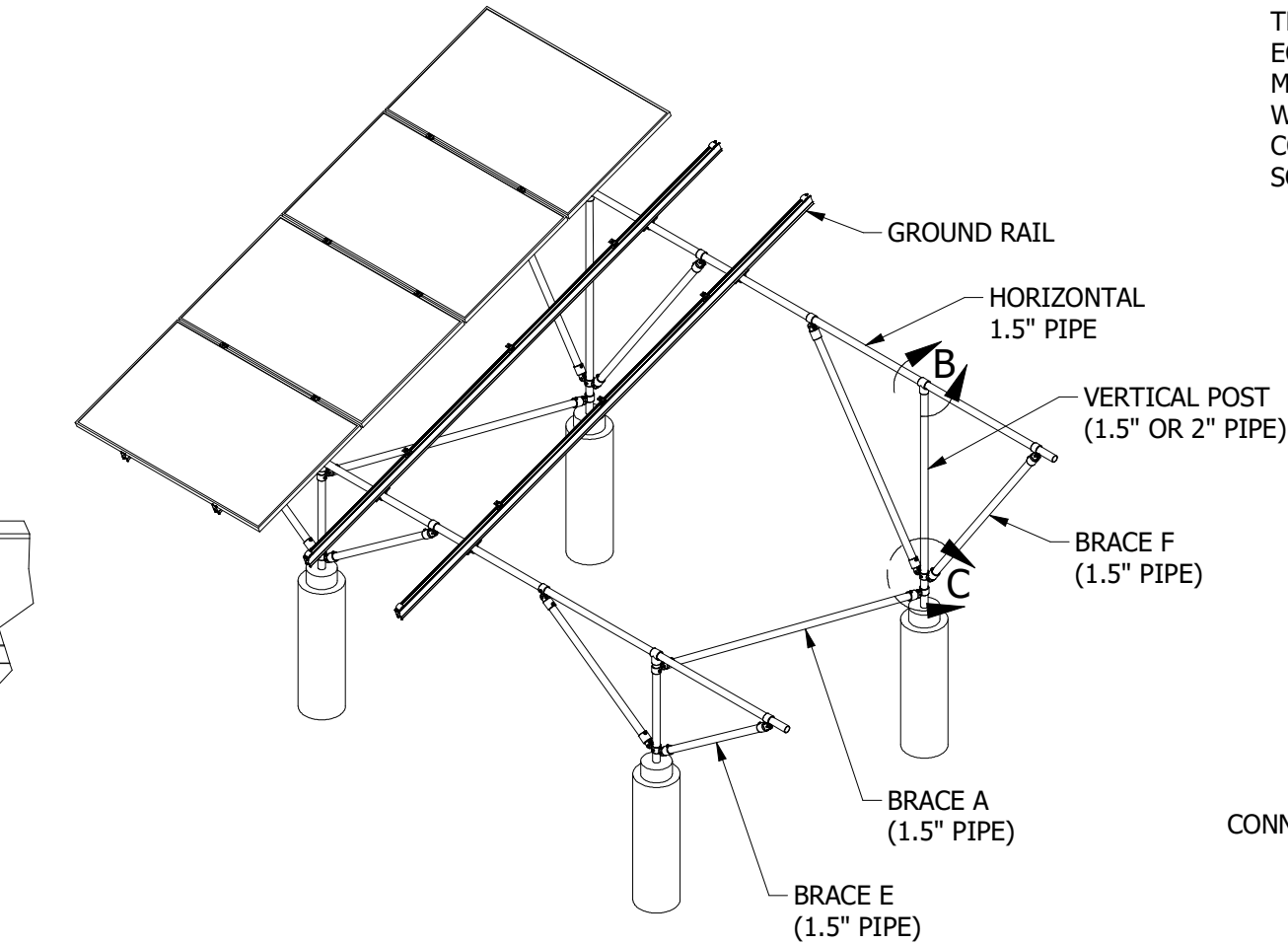
5-HIGH:
 $0.6 * (5 * \text{MODULE WIFTH}) * \cos(\text{TILT ANGLE})$



DETAIL A



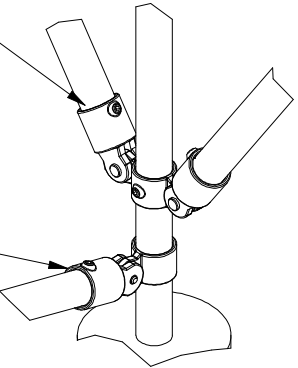
MAX BRACED PIPE
OVERHANG (PS/3)
(FOR UNBRACED MAX
PIPE OVERHANG SEE
DRAWING SNR-DC-00201)



NOTE: PROVIDE ADDITIONAL 1/4" TEKS SELF-DRILLING FASTENER OR EQUIVALENT INSTALLED PER MANUFACTURER'S INSTRUCTIONS WHERE SPECIFIED IN THE CONFIGURATION TABLES FOR ALL SOCKET TEES

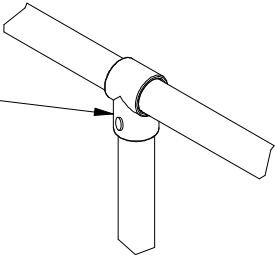
HOLLAENDER DOUBLE ADJUSTABLE
SOCKET TEES CONNECT ANGLED
BRACES TO VERTICAL PIPES
- 19E-8 FOR 1.5" VERTICAL POSTS
- 19-98 FOR 2" VERTICAL POSTS

HOLLAENDER SINGLE ADJUSTABLE
SOCKET TEES CONNECT ANGLED
BRACES TO VERTICAL PIPES
- 17-8 FOR 1.5" VERTICAL POSTS
- 17-98 FOR 2" VERTICAL POSTS

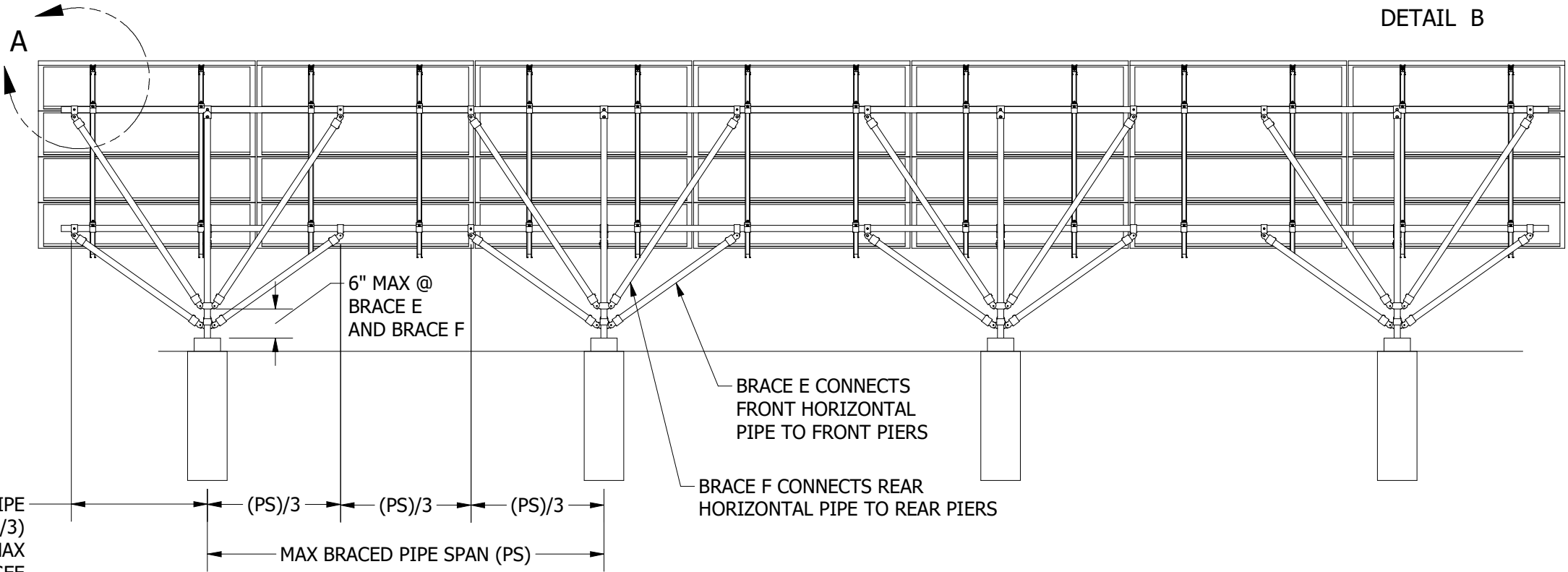


DETAIL C

HOLLAENDER SINGLE SOCKET TEES
CONNECT HORIZONTALS TO VERTICAL POSTS
- 5EXT-8 FOR 1.5" VERTICAL POSTS
- 5-89 FOR 2" VERTICAL POSTS



DETAIL B



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SHEET: 1:1

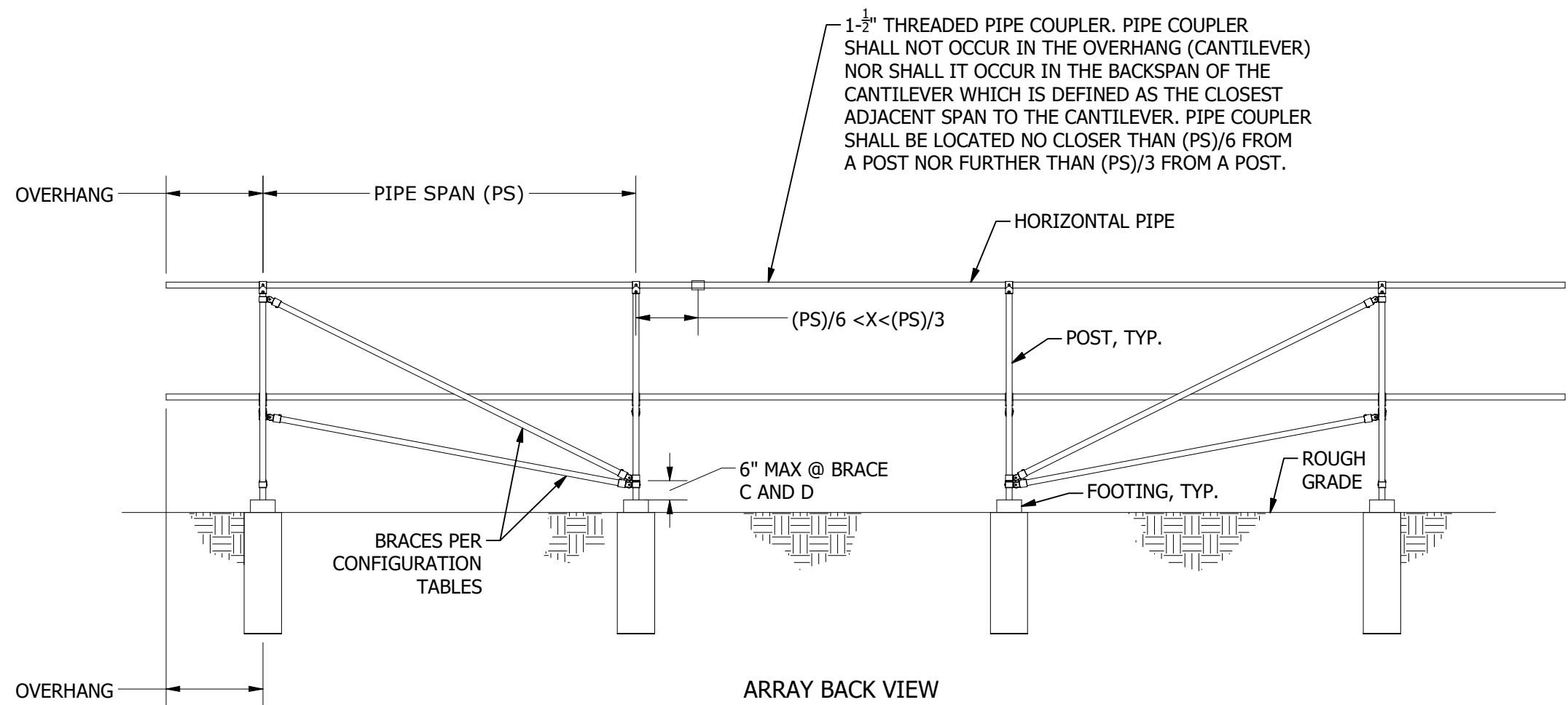
DATE: 10/27/2025

DRAWING NUMBER:
SNR-DC-01511

DESCRIPTION:
SERIES 200 BRACED INSTALLATION OPTION,
HIGH LOAD OR LONGER SPANS, VECTOR

REV:
A

REVISION:		
A	10/27/2025	DC006504 MKW
—	—	—
—	—	—
—	—	—
—	—	—
—	—	—
—	—	—



SEE ENGINEERING TABLES FOR PIER DEPTHS AND SPAN LIMITATIONS.

UNLESS OTHERWISE SPECIFIED IN ENGINEERING DOCS, THE FOLLOWING VALUES APPLY.

MAX RAIL LENGTH (RL) IS 214"

MAXIMUM MODULE WEIGHT IS 65 LBS

NORTH-SOUTH POST SPACING:
SEE CONFIGURATION TABLES
FOR SPACING TABLE

3-HIGH:
 $0.672 * (3 * \text{MODULE WIDTH}) * \cos(\text{TILT ANGLE})$

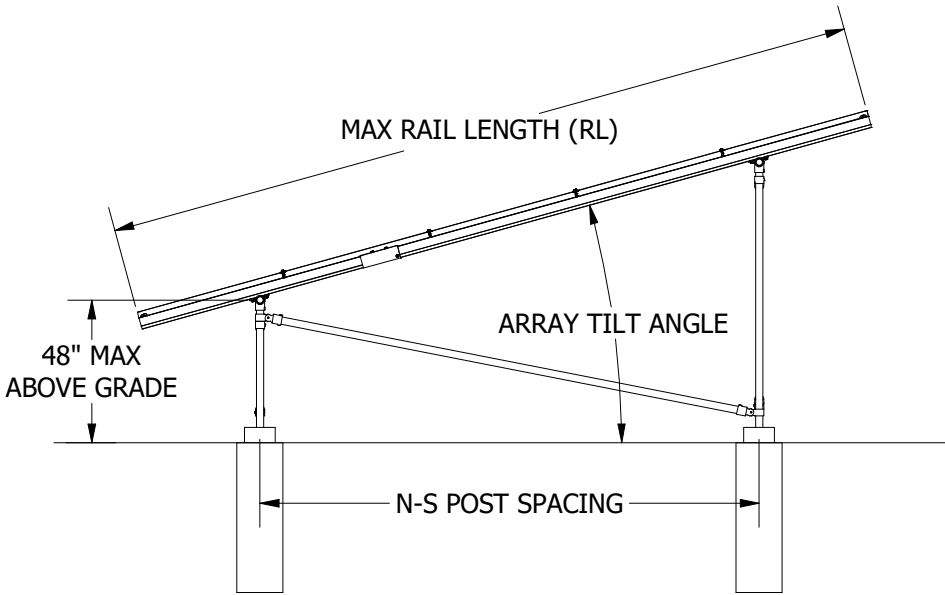
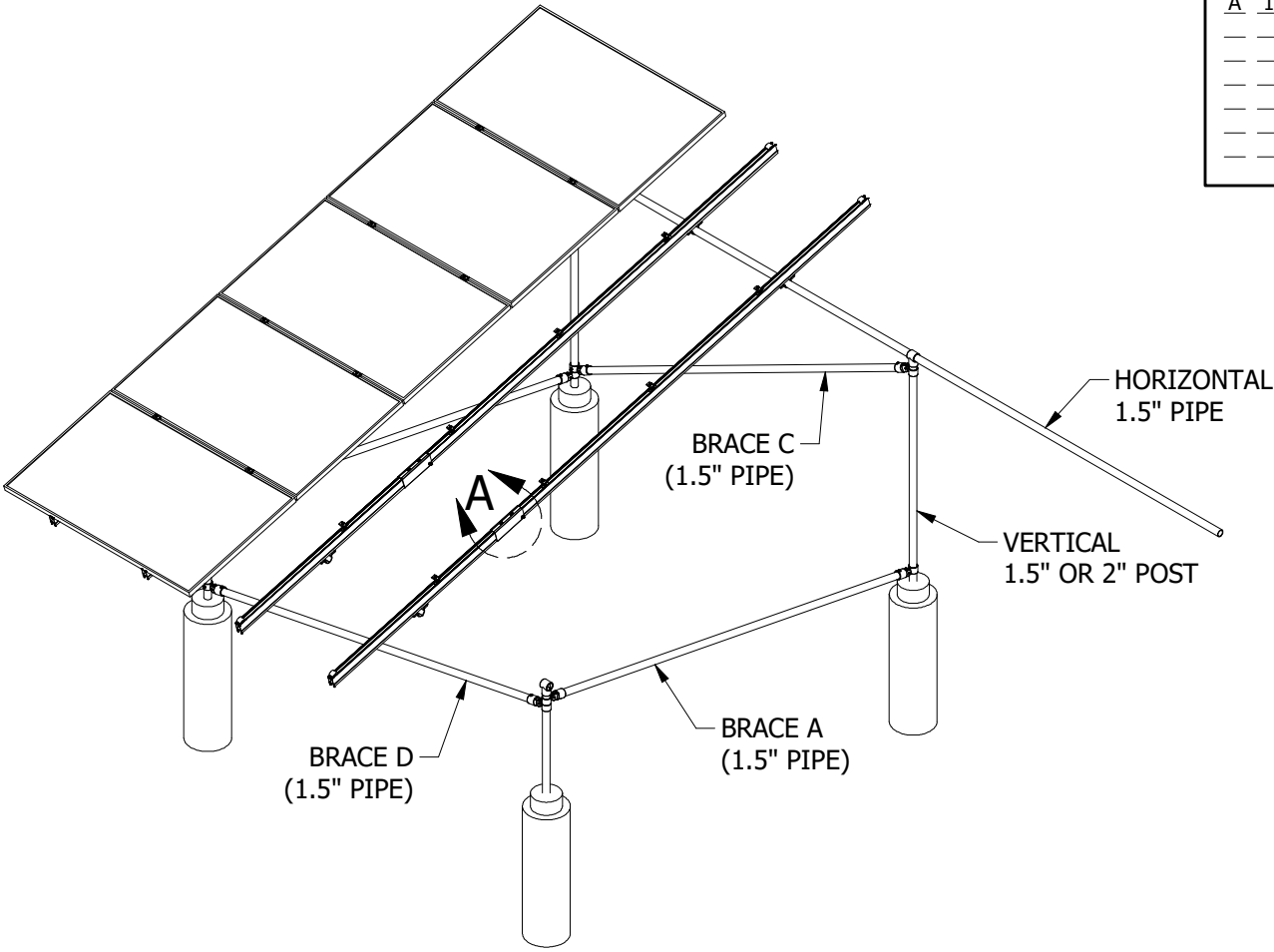
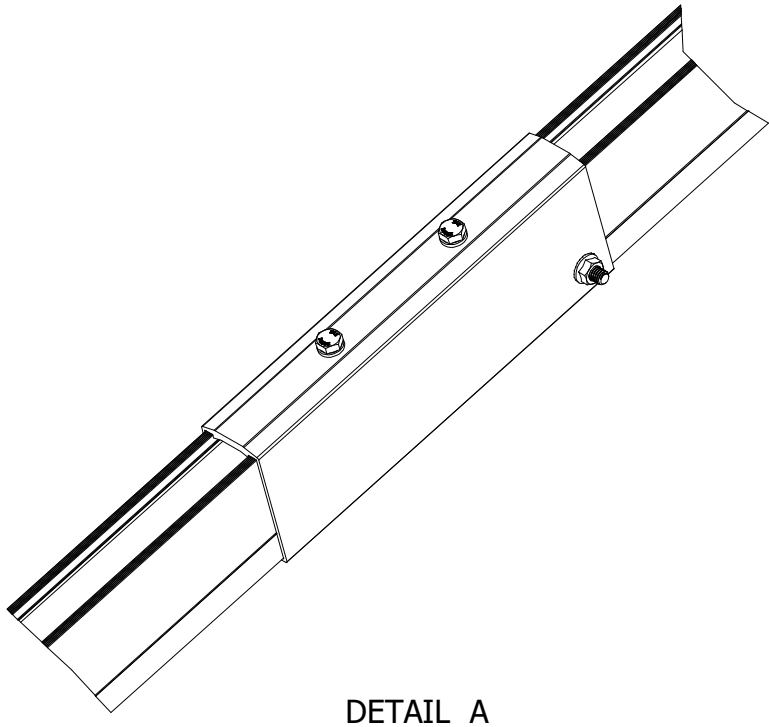
4-HIGH:
 $0.622 * (4 * \text{MODULE WIDTH}) * \cos(\text{TILT ANGLE})$

5-HIGH:
 $0.6 * (5 * \text{MODULE WIFTH}) * \cos(\text{TILT ANGLE})$

GROUND RAIL SPLICE MUST ALWAYS BE INSTALLED BETWEEN HORIZONTAL PIPES

MODULE CLAMPS CANNOT BE INSTALLED WHERE GROUND RAIL SPLICE IS LOCATED

REVISION:		
A	10/27/2025	DC006504 MKW



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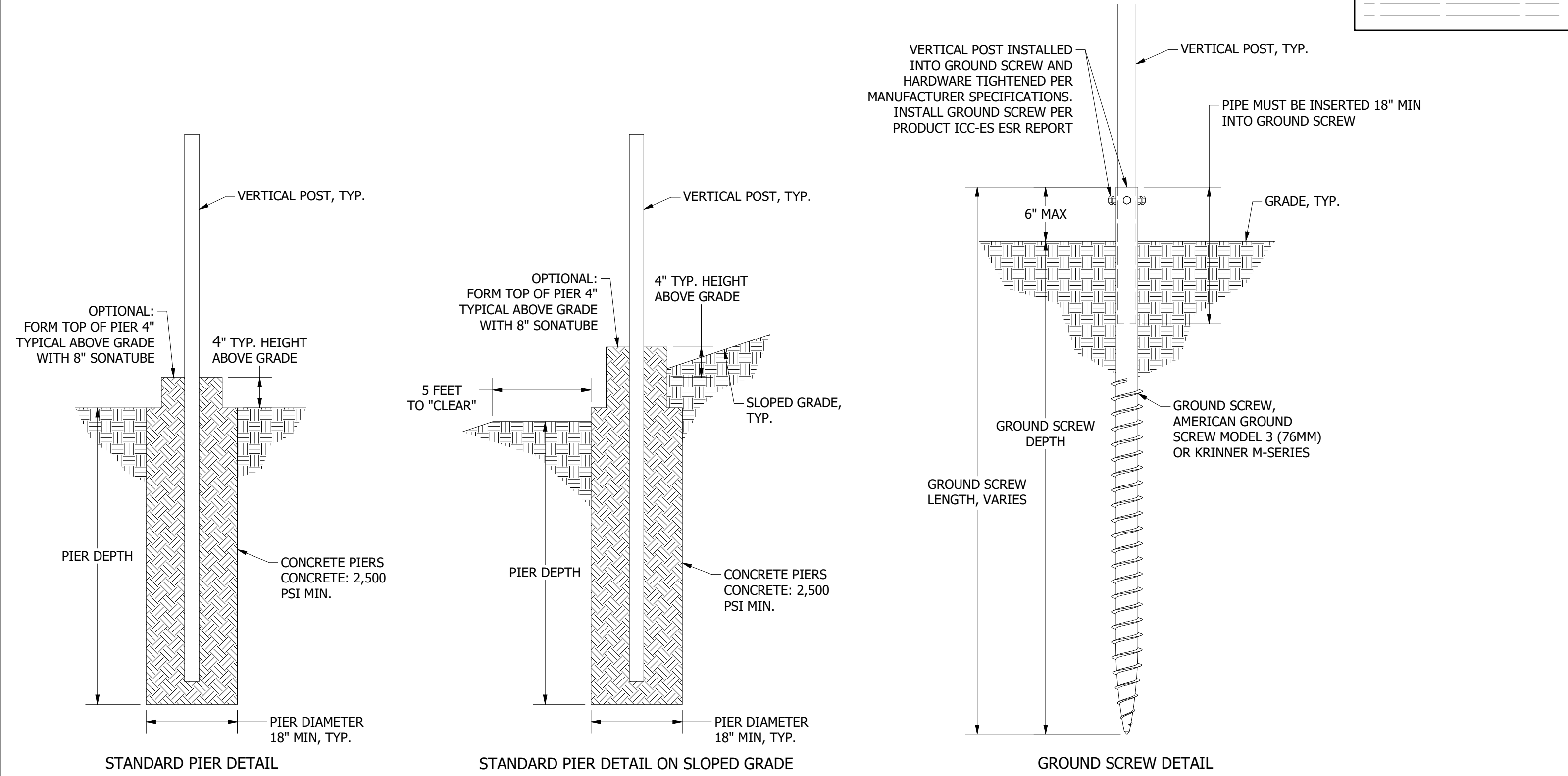
SHEET: 1:1
DATE: 10/27/2025

DRAWING NUMBER:
SNR-DC-01513

DESCRIPTION:
SERIES 200 5-MODULE INSTALLATION WITH RAIL
SPLICE, VECTOR

REV: A

REVISION:		
A	10/27/2025	DC006504 MKW



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			DATE: 10/27/2025			

GRADE BEAM FOUNDATION
CONFIGURATION

SEE ENGINEERING TABLES FOR SPAN LIMITATIONS AND
GRADE BEAM REQUIREMENTS.

UNLESS OTHERWISE SPECIFIED IN ENGINEERING DOCS,
THE FOLLOWING VALUES APPLY.

MIN GRADE BEAM WIDTH: 12"
MIN GRADE BEAM DEPTH: 12"

MAXIMUM MODULE WEIGHT IS 65 LBS

GRADE BEAM FOUNDATIONS SHOULD ONLY BE USED IN
FLAT GROUND CONDITIONS (GROUND SLOPE LESS THAN 5
DEGREES TYPICAL)

COMPATIBLE WITH ALL BRACING OPTIONS

GRADE BEAM LENGTH
3-HIGH: 9 FT
4-HIGH: 12 FT
5-HIGH: 15 FT

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