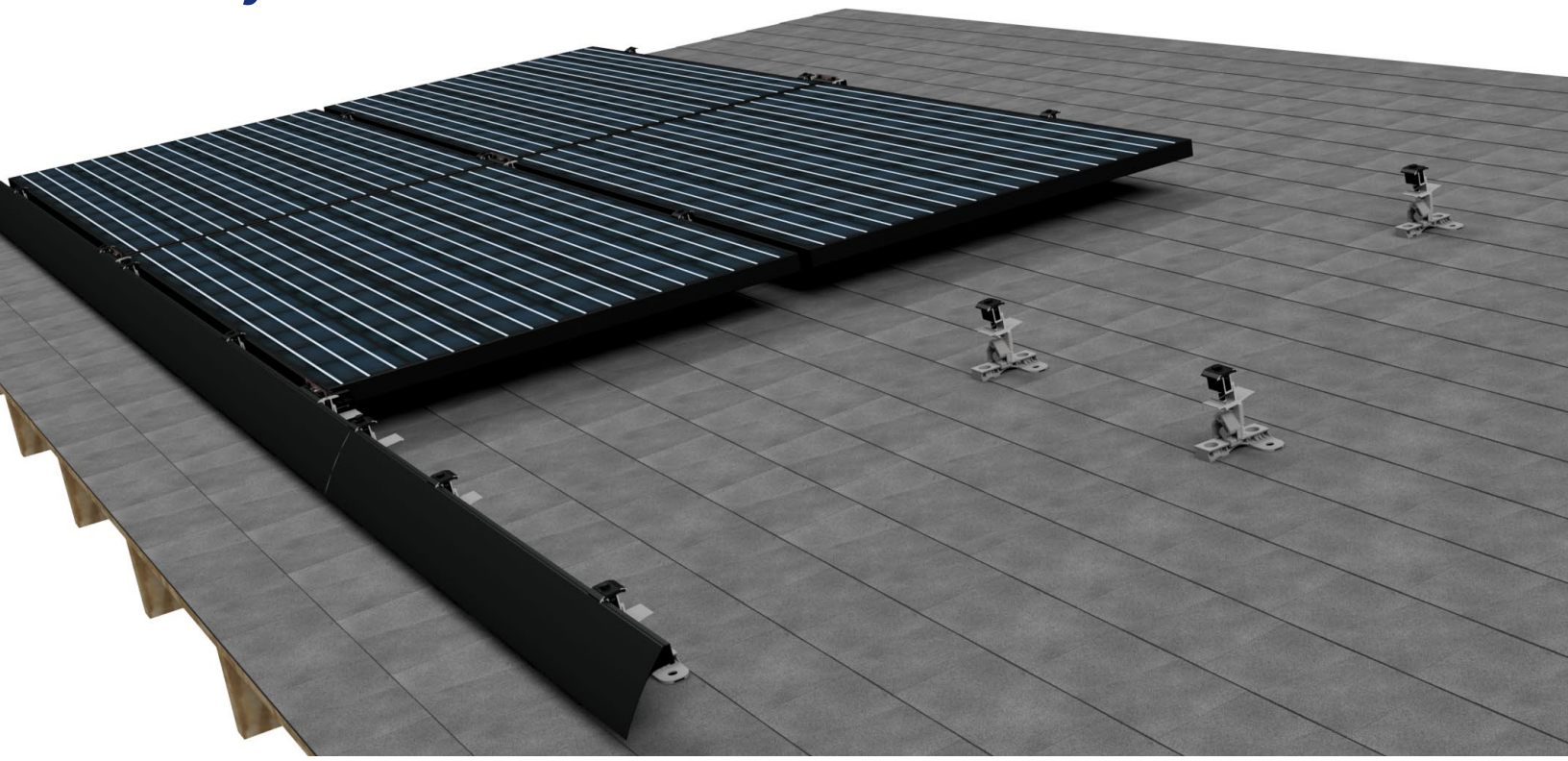
Omega Railless System

One system that does it all.



Why Installers Choose It

The SnapNrack Omega Railless System streamlines your inventory into two core SKUs — giving you total workflow flexibility and railed-system strength without the clutter.

Complete Workflow Freedom
Module-First Mounting (MFM) or Roof-First Mounting (RFM). Choose the method that best fits your crew, layout, and weather.

Universal Mounting Architecture
Transition between rafter and deck attachment using the exact same base—no separate SKUs, no redesigns, no job delays.

SpeedSeal+ ™ Built-In Waterproofing
Factory-applied dual-zone butyl pads compress directly into the shingle course during fastener drive-in, creating a watertight barrier with zero mess.

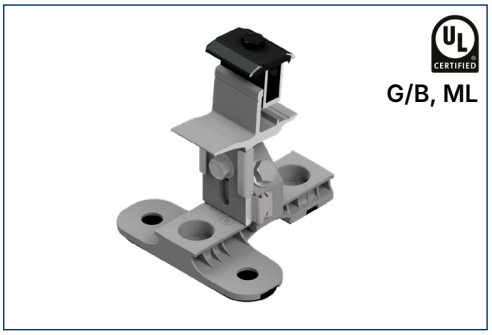
Proven Kinematics
Decoupled vertical riser channel gives 1-1/4" height adjusment. Easy N/S adjustability allows for array true-up with modules already installed.

HARDWARE PORTFOLIO	DOMESTIC CONTENT	SINGLE TOOL DRIVE	DOWNFORCE / UPLIFT
2 Core Units	100% Turnkey	1/2" Hex Head	72 / 80 PSF

Component Details

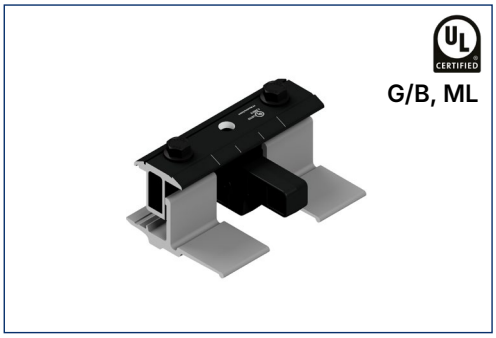
Structural Components

UL Listing Legend:
ML = Evaluated for Mechanical Loading
G/B = Evaluated for Grounding/ Bonding



G/B, ML

Omega Mount
RL-OMGA-USA
(242-06000)
Complete assembly including SpeedSeal+™ Base, Riser, Leveler, Clamp Top, and 1/2" hex hardware. Handles 1-1/4" leveling and row-to-row bonding.

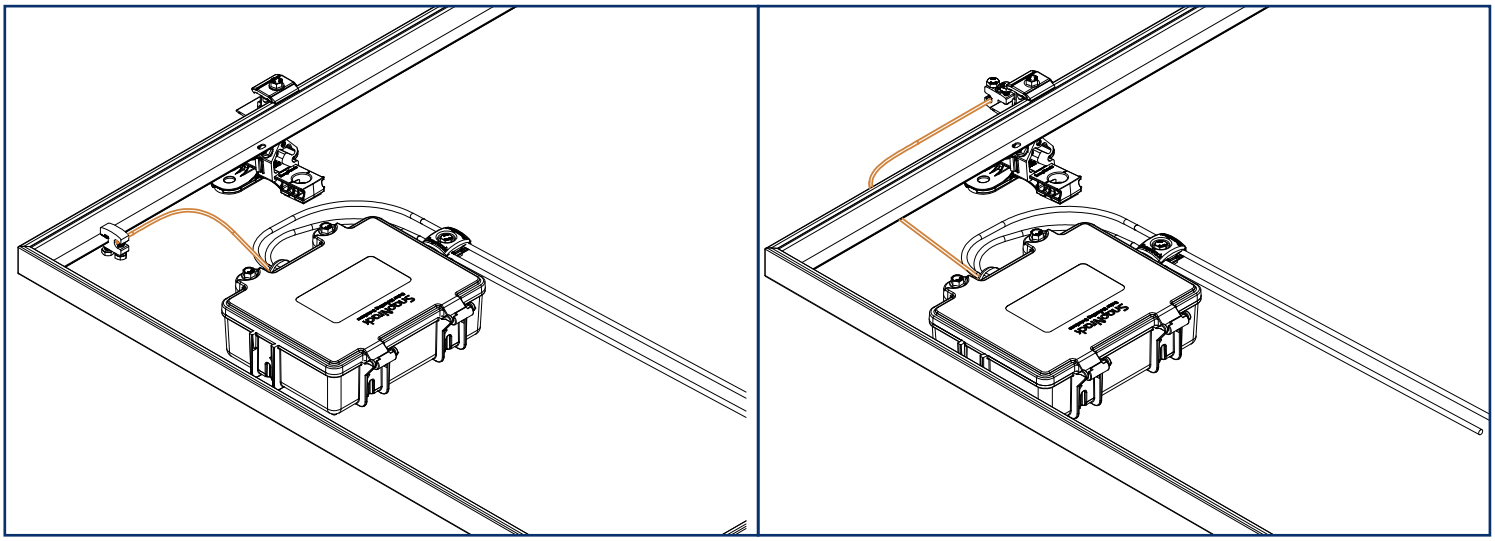


G/B, ML

Omega Link
RL-OMGA-LNK-USA
(242-06004)
Structural clamp assembly including Link Bottoms, Link Top, removable column spacer (3/4" gap), and bonding pins across array columns.

Image	Component	Descriptive SKU	Listing	Description & Function
	Omega Clamp	RL-OMGA-CLMP-USA (242-10011)	UL 2703 G/B, ML	Modular assembly with Link Bottom, Clamp Top, and hardware. Provides array perimeter support, over-cantilever reinforcement, and SkirtRail attachment.
	Universal SkirtRail	RL-SKTRL-xxx-BLK (Two Lengths)	UL 2703 G/B, ML	Universal structural fascia rail for front-row aesthetic trim, column-to-column bonding, structural load sharing, and Class A Fire Classification.
	SkirtRail Spacers	RL-SKTSP-MULTI (Set of 5 Colors)	Mechanical	Modular snap-in spacers calibrated for 30mm, 32mm, 35mm, 38mm, and 40mm module frame heights for flush SkirtRail face alignment.
	SkirtRail End Cap	RL-SKTCAP-BLK (Molded Plastic)	UL 2703 ML	UV-stabilized perimeter termination cap.Symmetrical profile also functions as an inline structural splice between adjacent SkirtRail sections.
	5/16" Lag Screw with Sealing Washer	HD-SEALWASHLAG-4 (242-02168)	Structural	High-tensile wood lag screw with pre-assembled EPDM stainless sealing washer. Designed for centered rafter mounting (2-1/2" standard embedment).
	#14 Sealing Wood Screw	HD-#14HEXHEAD-3.0 (242-10066)	Structural	Heavy-duty wood screw featuring a 1/2" Hex Head for single-tool site operation. Used for direct-to-deck or rafter attachment with stainless sealing washer.
	DeckAnchor 2.5	HD-DANCHR-2.5 (242-10035)	Structural	Engineered structural deck fastener optimized for plywood/OSB sheathing withdrawal and pullover resistance; includes stainless sealing washer.
	Wood Screw Adapter	RL-OMGA-WSHR-USA (Shoulder Washer)	Mechanical	Precision shoulder adapter washer seating into outer base apertures to accept (4) #14 sealing wood screws into deck sheathing.

SnapNrack System Integration



Our Secret Weapon: 10 Years of Proven Wire Management

Customer complaints in railless solar are overwhelmingly driven by poor wire management. SnapNrack delivers over a decade of field-tested subject matter expertise with dedicated clips and adapters that secure conductors inside module return flanges—eliminating the need for third-party clips or expensive field retrofits.

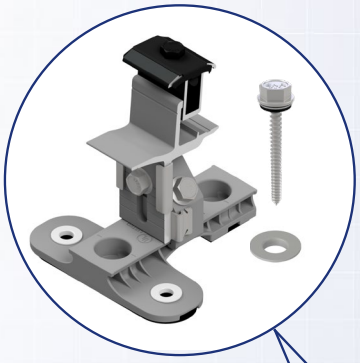
Image	Component	Descriptive SKU	Listing	Application & Capacity
	Smart Clip II	WM-SMARTCLIP	UL Certified	Snaps onto module frame flanges. Holds two PV wires or one Enphase IQ Cable safely routed away from roof surface.
	Smart Clip XL	WM-SMARTCLIP-XL	UL Certified	Deep-channel cable clip securing large trunk runs. Holds up to six PV wires or four Enphase IQ Cables inside module cavity.
	Wire Saver	WM-WIRESAVER	UL Certified	Field-remedy clip designed to capture loose hanging conductors beneath the array without requiring module removal.
	Ground Lug	WM-GROUNDLUG	UL 467 / 2703	Dual-rated ground terminal attaching directly to module frames or mount landing pads. Connects 6–10 AWG solid bare copper.
	MLPE Frame Attachment Kit	WM-MLPE	UL 2703	Secures microinverters and optimizers directly to module return frames with integrated anodization-piercing bonding backplate.

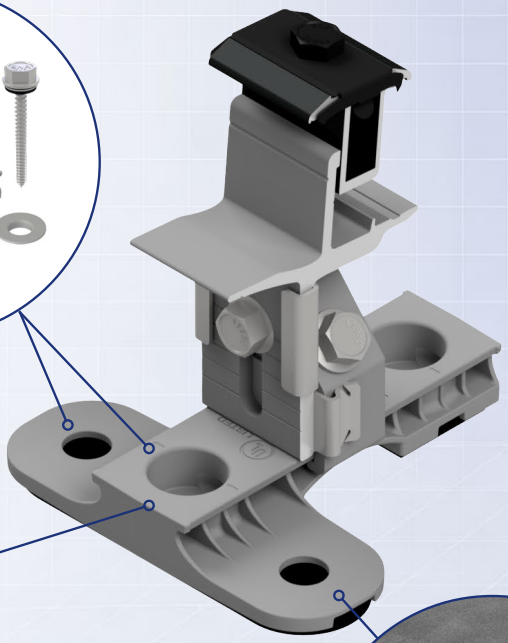
INTEGRATED ELECTRICAL FAULT PATH MECHANICS

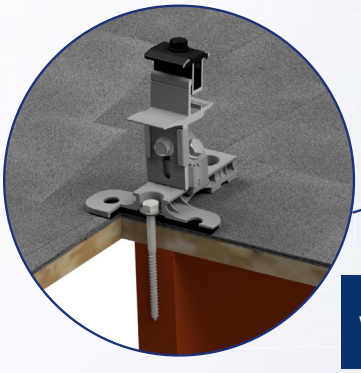
Row-to-Row: Multi-use bonding clips in Mount assemblies pierce module frame coatings when torqued to 16 ft-lb.
Column-to-Column: Stainless pins in Link assemblies and SKirtRail establish continuous continuity across the array width.
Result: Entre continous arrays require only **one** Ground Lug attached to the Equipment Grounding Conductor (EGC).

Omega Mount

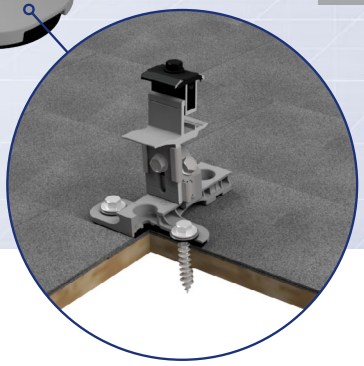
Use all 4 holes when installing #14 screws to decking OR 2 center holes for rafter installation. Must use wood screw adapter for E/W holes.







Use N/S holes when installing a lag screw.



Use E/W holes when installing DeckAnchors.

Quick Specs

Material	Aluminum & SS Hardware
Box QTY	30 EA
Color	Black Top, Mill Base
Certification	UL 2703
Weight	0.884 lbs
Torque	16 ft-lbs
Leveling Travel	1-1/4"
Height Off Roof	3-1/4" to 4-1/2"
Row & Coliumn Gaps	3/4" Uniform
Roof Slope	9.5° Min to Steep Slope
Substrates	Composition Shingle

Fastener Options

(Sold Separately)



Sealing Washer Lag, 5/16" x 4 1/2"

HD-SEALWASHLAG-4.0
(formerly 242-02168)

Rafter Mounting Only
(1) Required



Sealing Wood Screw, #14 × 3", 1/2" Hex

HD-#14HEXHEAD-3.0
(formerly 242-10066)

Rafter & Deck Mounting
(2) Required for rafter mounting
(4) Required for deck mounting

+ Wood Screw Adapter



DeckAnchor™ 2.5

HD-DANCHR-2.5
(formerly 242-10035)

Deck Mounting Only
(2) Required