

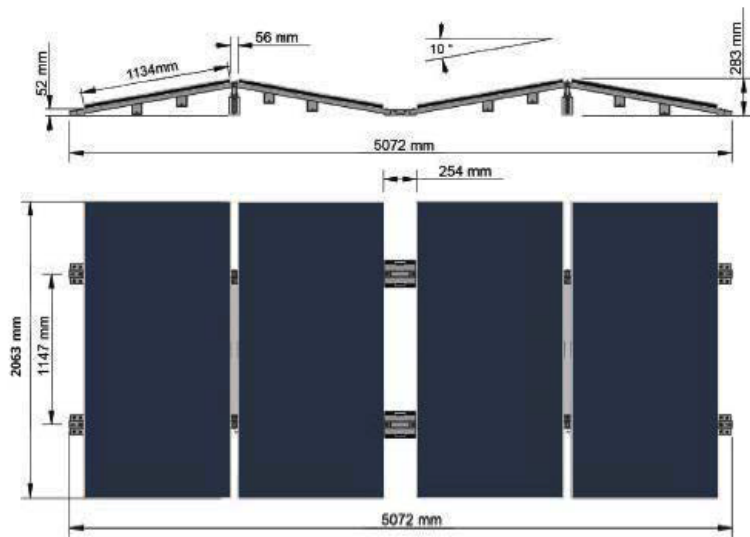
DATABLAD SMARTSOLARBOX



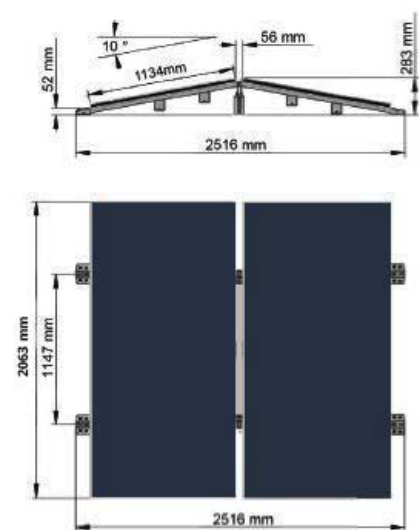
JAsolar
JAM60D42LB
525W

VERSJON 5.0

SSB4:



SSB2:



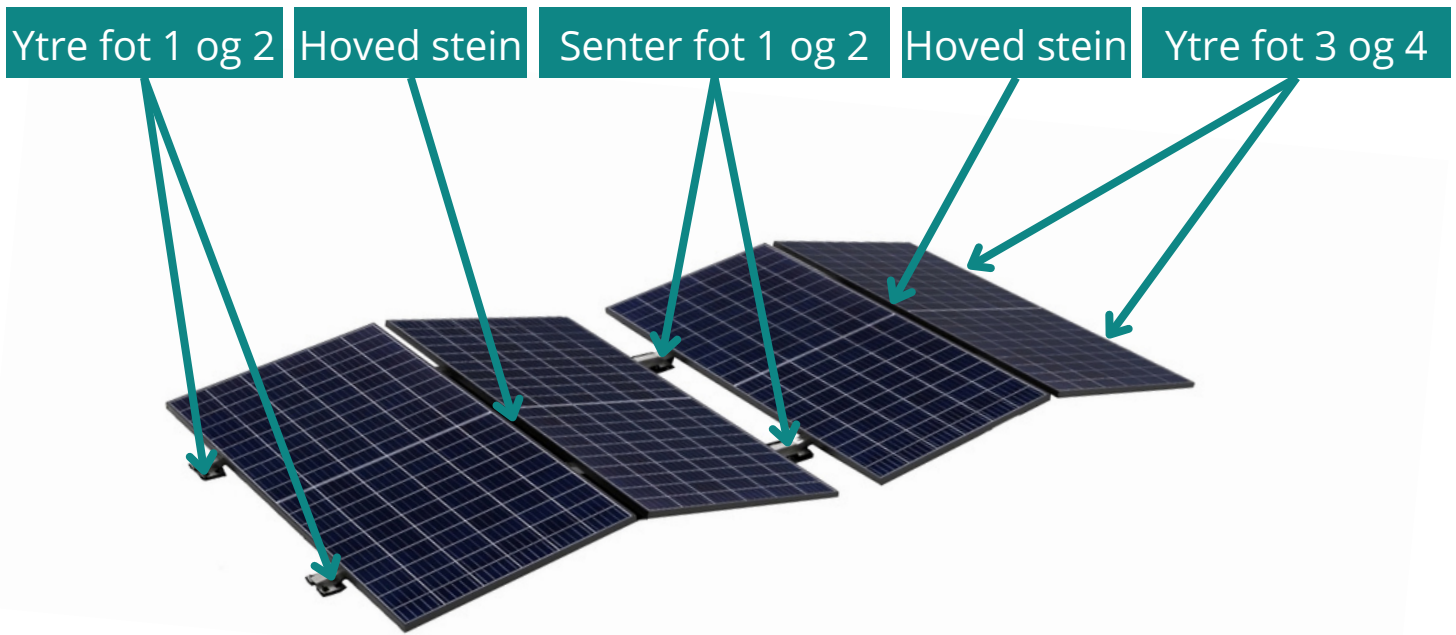
Teknisk Data

Anvendelsesområde	Flate tak med en helning på $\leq 5^\circ$ med folie eller asfalttak, på betong, grus eller grønne tak; også egnet for tak med trapesformet blikk.
Ballast	Innebygde betongballastelementer - ingen gjennomtrengning av taket
Vinkel	10°
Retning	Øst-Vest
Materiale konstruksjon	Magnelis® ZM310
Berøring på takmembranen	RegupolSolarAlu 10mm (PUR-bond gummi granulat)
DC-Kabel	Integrert MC4-Evo2 plugg, 4mm ² - 10 års garanti
Optimizer/Microinverter	Valgfri Optimaizer eller microinverter kan integreres i SmartSolarBox-systemet under produksjonen.
Godkjenninger:	Vind test IFI. LoadtestsREECH



Vektfordeling SmartSolarBox

Light JAsolar 525W



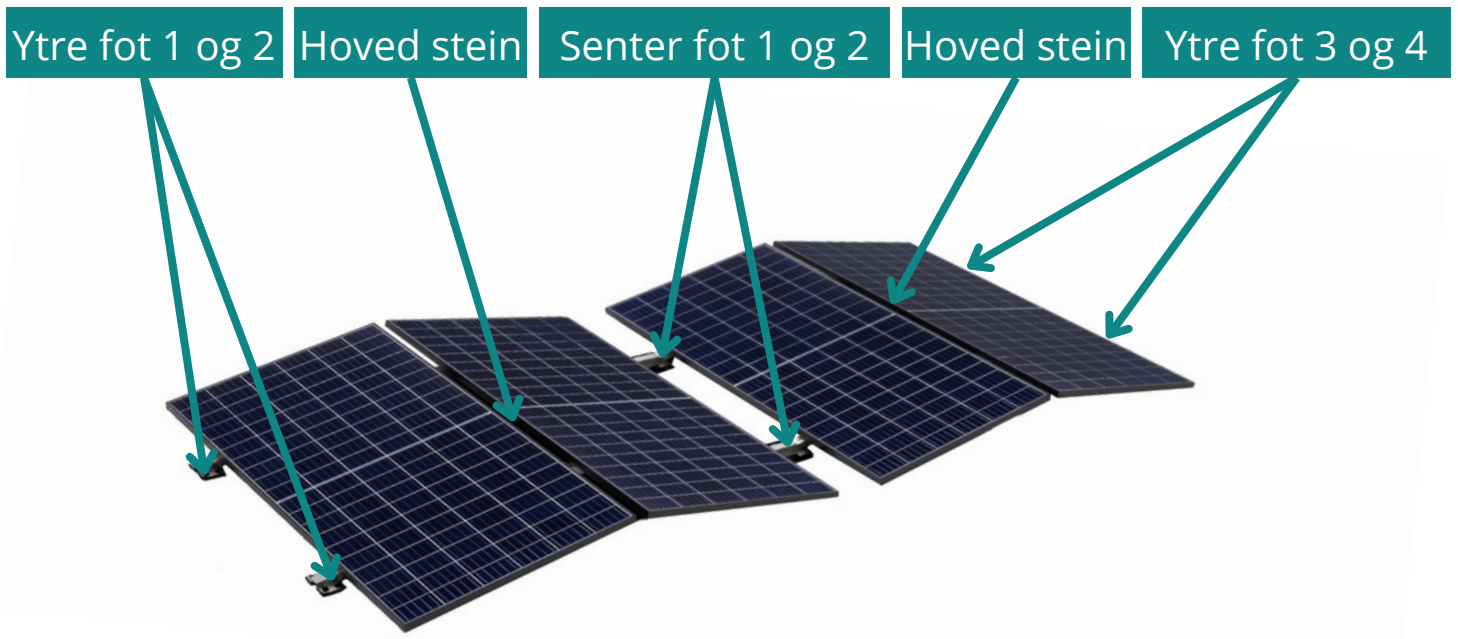
	Kontaktflate	Vektfordeling	Trykk	Trykk m2
	[cm2]	[%]	[N]	kPa
Ytre fot 1	111	4,28 %	75,9	7
Ytre fot 2	111	4,28 %	75,9	7
Hoved stein	476	33,25 %	590,3	12
Senter fot 1	357	8,20 %	145,6	4
Senter fot 2	357	8,20 %	145,6	4
Hoved stein	476	33,25 %	590,3	12
Ytre fot 3	111	4,28 %	75,9	7
Ytre fot 4	111	4,28 %	75,9	7
Total	2110	100,00 %	1775,4	

Modul bredde	1134	mm
Modul lengde	2063	mm
Modul vekt	28,8	kg
System lengde SSB4 V 5.0	5112	mm
Dekningsområde for SSB4 V5.0	10,55	m2
Modul areal	2,34	m2
Fot areal per modul	0,05	m2

Type SSB	Vekt	Fordelt last
SSB4 Corner	341,8kg	32,41kg/m2
SSB4 Heavy	261,4kg	24,79kg/m2
SSB4 Light	181kg	17,17kg/m2

Vektfordeling SmartSolarBox

Heavy JAsolar 525W



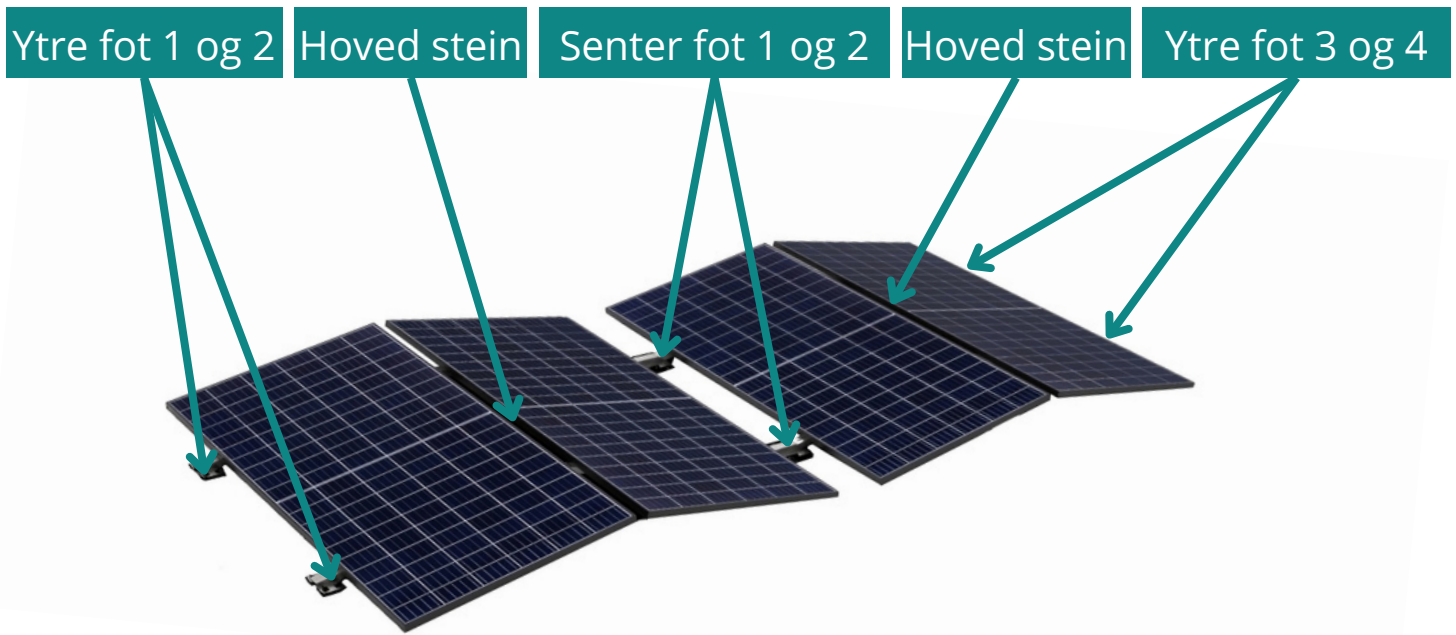
	Kontaktflate	Vektfordeling	Trykk	Trykk m2
	[cm2]	[%]	[N]	kPa
Ytre fot 1	111	4,33 %	110,9	10
Ytre fot 2	111	4,33 %	110,9	10
Hoved stein	476	34,10 %	874,1	18
Senter fot 1	357	7,25 %	185,9	5
Senter fot 2	357	7,25 %	185,9	5
Hoved stein	476	34,10 %	874,1	18
Ytre fot 3	111	4,33 %	110,9	10
Ytre fot 4	111	4,33 %	110,9	10
Total	2110	100,00 %	2563,5	

Modul bredde	1134	mm
Modul lengde	2063	mm
Modul vekt	28,8	kg
System lengde SSB4 V 5.0	5112	mm
Dekningsområde for SSB4 V5.0	10,55	m2
Modul areal	2,34	m2
Fot areal per modul	0,05	m2

Type SSB	Vekt	Fordelt last
SSB4 Corner	341,8kg	32,41kg/m2
SSB4 Heavy	261,4kg	24,79kg/m2
SSB4 Light	181kg	17,17kg/m2

Vektfordeling SmartSolarBox

Corner JAsolar 525W



	Kontaktflate	Vektfordeling	Trykk	Trykk m2
	[cm2]	[%]	[N]	kPa
Ytre fot 1	111	5,20 %	174,3	16
Ytre fot 2	111	5,20 %	174,3	16
Hoved stein	476	30,75 %	1030,6	22
Senter fot 1	357	8,85 %	296,6	8
Senter fot 2	357	8,85 %	296,6	8
Hoved stein	476	30,75 %	1030,6	22
Ytre fot 3	111	5,20 %	174,3	16
Ytre fot 4	111	5,20 %	174,3	16
Total	2110	100,00 %	3351,5	

Modul bredde	1134	mm
Modul lengde	2063	mm
Modul vekt	28,8	kg
System lengde SSB4 V 5.0	5112	mm
Dekningsområde for SSB4 V5.0	10,55	m2
Modul areal	2,34	m2
Fot areal per modul	0,05	m2

Type SSB	Vekt	Fordelt last
SSB4 Corner	341,8kg	32,41kg/m2
SSB4 Heavy	261,4kg	24,79kg/m2
SSB4 Light	181kg	17,17kg/m2

Harvest the Sunshine

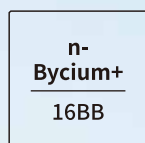
540W



JA SOLAR

JAM60D42 LB n-type Double Glass Bifacial Modules

Premium Cells



MBB Half-Cell
Technology

26%



Cell Conversion
Efficiency

Premium Modules



Higher power
generation better LCOE



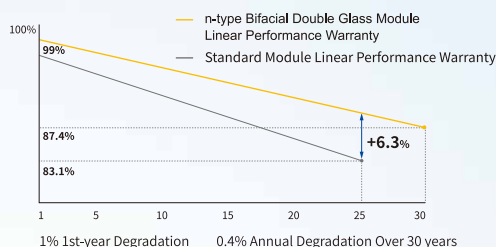
n-type with very
Lower LID



Better Temperature
Coefficient



Better low irradiance
response



25-year product
warranty



30-year linear power
output warranty

Comprehensive Certificates

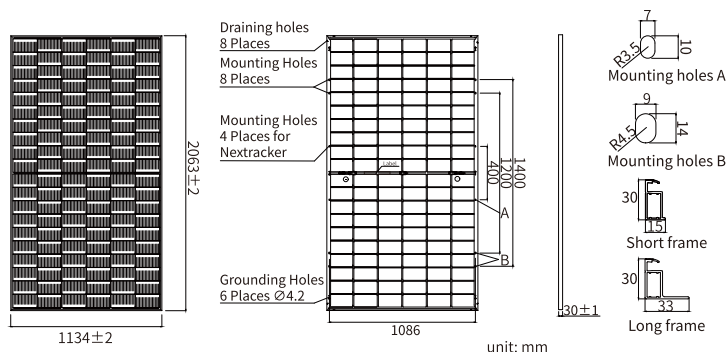
- IEC 61215, IEC 61730, UL 61215, UL 61730
- ISO 9001: 2015 Quality management systems
- ISO 14001: 2015 Environmental management systems
- ISO 45001: 2018 Occupational health and safety management systems
- IEC 62941: 2019 Terrestrial photovoltaic (PV) modules - Quality system for PV module manufacturing



DEEP BLUE 4.0 Pro

JAM60D42 LB

n-type Double Glass Bifacial Modules



MECHANICAL PARAMETERS

Cell	Mono
Weight	28.8kg
Dimensions	2063±2mm×1134±2mm×30±1mm
Cable Cross Section Size	4mm²(IEC), 12 AWG(UL)
No. of cells	120(6×20)
Junction Box	IP68, 3diodes
Connector	QC 4.10-351/ MC4-EVO2A
Cable Length (Including Connector)	Portrait: 300mm(+)/400mm(-) Landscape: 1200mm(+)/1200mm(-)
Front Glass/Back Glass	2.0mm/2.0mm
Packaging Configuration	36pcs/Pallet, 792pcs/40HQ Container

Remark: customized frame color and cable length available upon request

ELECTRICAL PARAMETERS AT STC

TYPE	JAM60D42 -515/LB	JAM60D42 -520/LB	JAM60D42 -525/LB	JAM60D42 -530/LB	JAM60D42 -535/LB	JAM60D42 -540/LB
Rated Maximum Power(P _{max}) [W]	515	520	525	530	535	540
Open Circuit Voltage (V _{oc}) [V]	43.33	43.53	43.73	43.93	44.13	44.33
Maximum Power Voltage(V _{mp}) [V]	36.15	36.37	36.59	36.81	37.03	37.25
Short Circuit Current(I _{sc}) [A]	15.11	15.16	15.21	15.26	15.31	15.36
Maximum Power Current(I _{mp}) [A]	14.25	14.30	14.35	14.40	14.45	14.50
Module Efficiency [%]	22.0	22.2	22.4	22.7	22.9	23.1
Power Tolerance	0~+3%					
Temperature Coefficient of I _{sc} (α _{Isc})	+0.045%/°C					
Temperature Coefficient of V _{oc} (β _{Voc})	-0.250%/°C					
Temperature Coefficient of P _{max} (γ _{Pmp})	-0.290%/°C					
STC	Irradiance 1000W/m², cell temperature 25°C, AM1.5G					

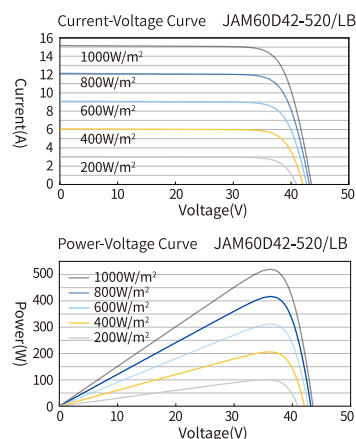
Remark: Electrical data in this catalog do not refer to a single module and they are not part of the offer. They only serve for comparison among different module types.

ELECTRICAL CHARACTERISTICS WITH 10% SOLAR IRRADIATION RATIO

TYPE	JAM60D42 -515/LB	JAM60D42 -520/LB	JAM60D42 -525/LB	JAM60D42 -530/LB	JAM60D42 -535/LB	JAM60D42 -540/LB
Rated Max Power(P _{max}) [W]	556	562	567	572	578	583
Open Circuit Voltage(V _{oc}) [V]	43.33	43.53	43.73	43.93	44.13	44.33
Max Power Voltage(V _{mp}) [V]	36.15	36.37	36.59	36.81	37.03	37.25
Short Circuit Current(I _{sc}) [A]	16.32	16.37	16.43	16.48	16.53	16.59
Max Power Current(I _{mp}) [A]	15.39	15.44	15.50	15.55	15.61	15.66
Irradiation Ratio (rear/front)	10%					

* For Nextacker installations, maximum static load please take compatibility approve letter between JA Solar and Nextacker for reference.

CHARACTERISTICS



OPERATING CONDITIONS

Maximum System Voltage	1500V DC
Operating Temperature	-40°C~+85°C
Maximum Series Fuse Rating	30A
Maximum Static Load, Front*	5400Pa(112 lb/ft²)
Maximum Static Load, Back*	2400Pa(50 lb/ft²)
NOCT	45±2°C
Bifaciality	80%±5%
Safety Class	Class II
Fire Performance	UL Type 29/Class C