

Harvest the Sunshine

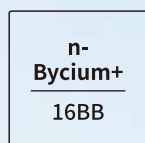
JA SOLAR

540W



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



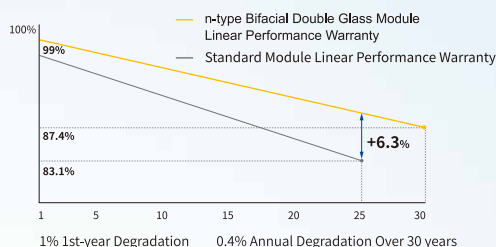
n-type with very
Lower LID



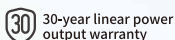
Better Temperature
Coefficient



Better low irradiance
response



12-year product
warranty



30-year linear power
output warranty

Comprehensive Certificates

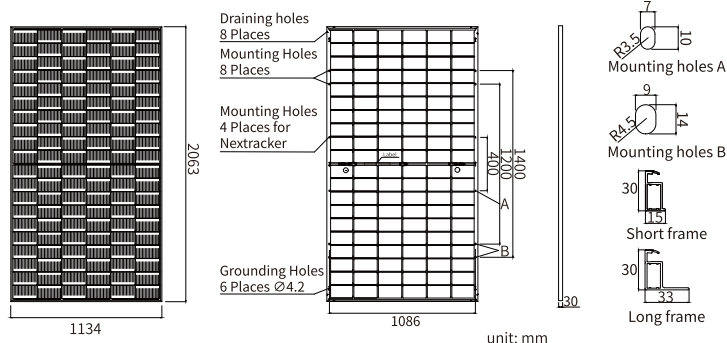
- IEC 61215, IEC 61730
- ISO 9001: 2015 Quality management systems
- ISO 14001: 2015 Environmental management systems
- ISO 45001: 2018 Occupational health and safety management systems
- IEC 62941: 2019 Terrestrial photovoltaic (PV) modules - Quality system for PV module manufacturing



DEEP BLUE 4.0 Pro

JAM60D42 LB

n-type Double Glass Bifacial Modules



MECHANICAL PARAMETERS

Cell	Mono
Weight	28.8kg
Dimensions	2063 × 1134mm × 30mm
Cable Cross Section Size	4mm ² (IEC), 12 AWG(UL)
No. of cells	120(6 × 20)
Junction Box	IP68, 3diodes
Connector	QC Solar QC4.10-351/QC4.10-35 Stäubli PV-KST4-EVO2A/xy ,PV-KBT4-EVO2A/xy
Cable Length	Portrait: 300mm(+)/400mm(-) (including Connector) Landscape: 1200mm(+)/1200mm(-)
Front Glass/Back Glass	2.0mm/2.0mm
Packaging Configuration	36pcs/Pallet, 792pcs/40HQ Container
Country of Manufacturer	China/Vietnam

Remark: customized frame color and cable length available upon request

ELECTRICAL PARAMETERS AT STC and BNPI

TYPE	JAM60D42 -515/LB		JAM60D42 -520/LB		JAM60D42 -525/LB		JAM60D42 -530/LB		JAM60D42 -535/LB		JAM60D42 -540/LB	
	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI
Rated Maximum Power(P _{max}) [W]	515	565	520	570	525	575	530	585	535	590	540	595
Open Circuit Voltage (V _{oc}) [V]	43.33	43.33	43.53	43.53	43.73	43.73	43.93	43.93	44.13	44.13	44.33	44.33
Maximum Power Voltage(V _{mp}) [V]	36.15	36.15	36.37	36.37	36.59	36.59	36.81	36.81	37.03	37.03	37.25	37.25
Short Circuit Current(I _{sc}) [A]	15.11	16.57	15.16	16.61	15.21	16.66	15.26	16.84	15.31	16.88	15.36	16.92
Maximum Power Current(I _{mp}) [A]	14.25	15.63	14.30	15.68	14.35	15.72	14.40	15.90	14.45	15.94	14.50	15.98
Module Efficiency [%]	22.0		22.2		22.4		22.7		22.9		23.1	
Short Circuit Current (I _{sc}) [A] at BSI	18.48		18.66		18.68		18.71		18.74		18.77	
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/m ² , cell temperature 25°C, AM1.5G											
BNPI	front Irradiance 1000W/m ² , rear Irradiance 135W/m ²											
BSI	front Irradiance 1000W/m ² , rear Irradiance 300W/m ²											

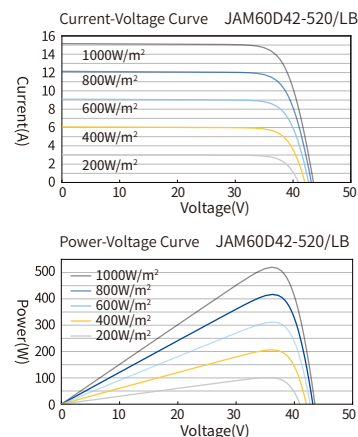
Remark: Electrical data in this catalog do not refer to a single module and they are not part of the offer.
They only serve for comparison among different module types.
Measurement tolerance at STC and BNPI: P_{max} ±3%, V_{oc} ±3% and I_{sc} ±5%.

ELECTRICAL CHARACTERISTICS WITH 10% Bifacial Gains

TYPE	JAM60D42 -515/LB		JAM60D42 -520/LB		JAM60D42 -525/LB		JAM60D42 -530/LB		JAM60D42 -535/LB		JAM60D42 -540/LB	
	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI
Rated Max Power(P _{max}) [W]	566.5		572.0		577.5		583.0		590		595	
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]	16.62		16.68		16.73		16.79		16.84		16.90	
Max Power Current(I _{mp}) [A]	15.68		15.73		15.79		15.84		15.90		15.95	

* For Nexttracker installations, maximum static load please take compatibility approve letter between JA Solar and Nexttracker 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	3600Pa, 1.5
Maximum Static Load, Back	1600Pa, 1.5
NOCT	45 ±2°C
Bifaciality	φP _{max} (80 ±10) %, φV _{oc} (98 ±5) %, φI _{sc} (80 ±10) %
Safety Class	Class II
Fire Safety Class	Class C



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Specifications subject to technical changes and tests.
JA Solar reserves the right of final interpretation.

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