

Harvest the Sunshine

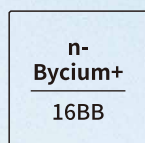
540W



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



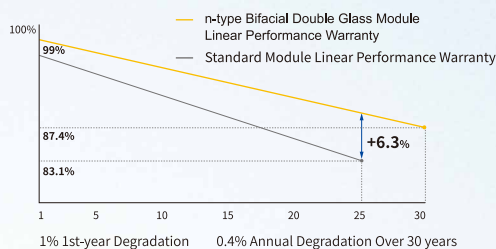
n-type with very
Lower LID



Better Temperature
Coefficient



Better low irradiance
response



12-year product
warranty

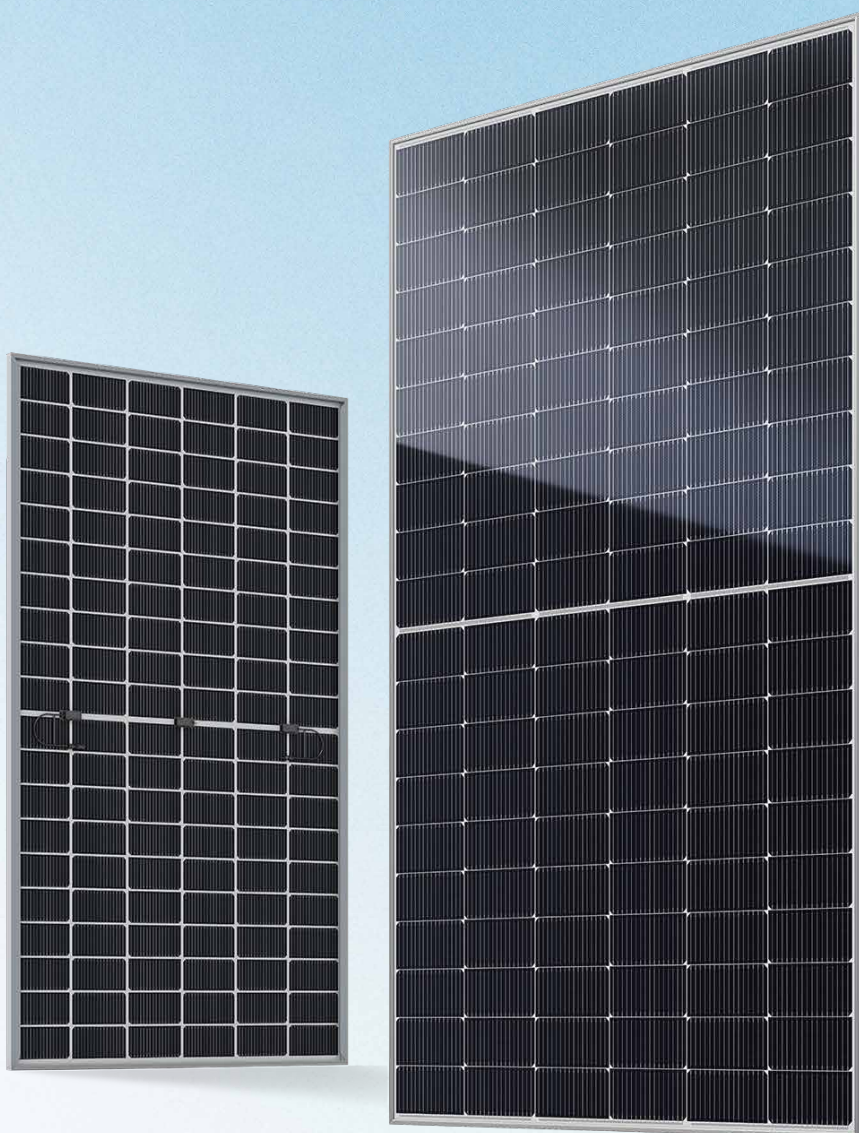


30-year linear power
output warranty

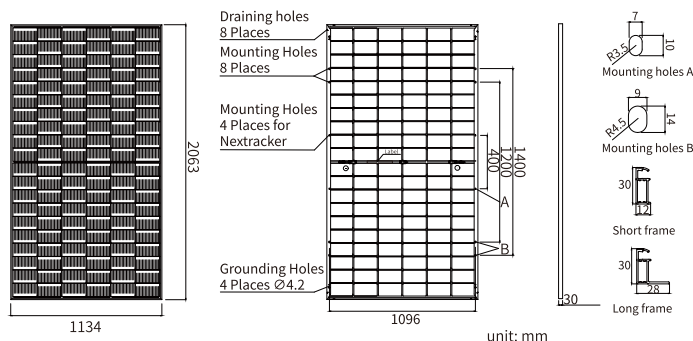
*Remark: The performance warranty applies at STC condition.

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



MECHANICAL PARAMETERS

Cell	Mono
Weight	28.8kg
Dimensions	2063mm × 1134mm × 30mm
Cable Cross Section Size	4mm ² (IEC), 12 AWG(UL)
No. of cells	120(6 × 20)
Junction Box	IP68, 3diodes
Connector	Stäubli PV-KST4-EVO2A/xy, PV-KBT4-EVO2A/xy QC Solar QC4.10-351/ QC4.10-35
Cable Length (Including Connector)	Portrait: 400mm(+)/200mm(-) 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 STC BNPI	JAM60D42 -520/LB STC BNPI	JAM60D42 -525/LB STC BNPI	JAM60D42 -530/LB STC BNPI	JAM60D42 -535/LB STC BNPI	JAM60D42 -540/LB 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]	44.33 44.33	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.

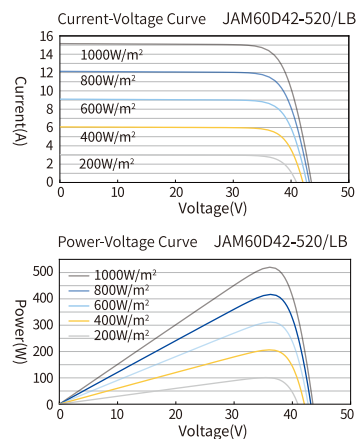
Measurement tolerance at STC and BNPI: P_{max} ±3%, V_{oc} ±3%, I_{sc} ±5% and the tolerance of I_{sc} at BSI: ±5%.

ELECTRICAL CHARACTERISTICS WITH 10% Bifacial Gains and Low Irradiance Of 200W/m²

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]	556 100 572 101	578 102	583 103	590 104	595 105	
Open Circuit Voltage(V _{oc}) [V]	44.33 40.74 43.53 40.95	43.78 41.12	43.93 41.33	44.13 41.51	44.13 41.71	
Max Power Voltage(V _{mp}) [V]	36.15 35.20 36.37 35.41	36.59 35.55	36.81 35.74	37.03 35.90	37.03 36.10	
Short Circuit Current(I _{sc}) [A]	16.32 3.02 16.68 3.03	16.73 3.04	16.79 3.05	16.84 3.06	16.90 3.07	
Max Power Current(I _{mp}) [A]	15.39 2.84 15.73 2.85	15.79 2.87	15.84 2.88	15.90 2.89	15.95 2.90	
Irradiation Ratio (rear/front)	10%					
Low Irradiance	(200 ± 2) W/m ² , module at (25 ± 2) °C					

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

CHARACTERISTICS



OPERATING CONDITIONS

Maximum System Voltage	1500V DC
Operating Temperature*	-40°C~+70°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 ± 5)%, φV _{oc} (98 ± 5)%, φI _{sc} (80 ± 5)%
Safety Class	Class II
Fire Performance	Class C

*PV module 98th percentile operating temperature : 70°C