

Harvest the Sunshine

650W

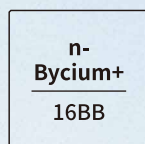


JA SOLAR

JAM66D45 LB

n-type Double Glass Bifacial Modules

Premium Cells



MBB Half-Cell
Technology

26%



Cell Conversion
Efficiency

Premium Modules



Higher power
generation better LCOE



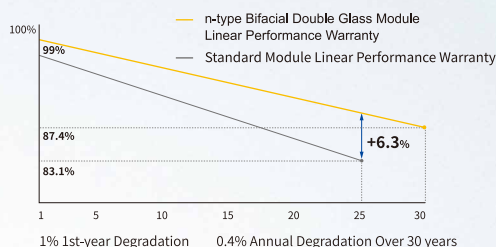
n-type with very
Lower LID



Better Temperature
Coefficient



Better low irradiance
response



12-year product
warranty

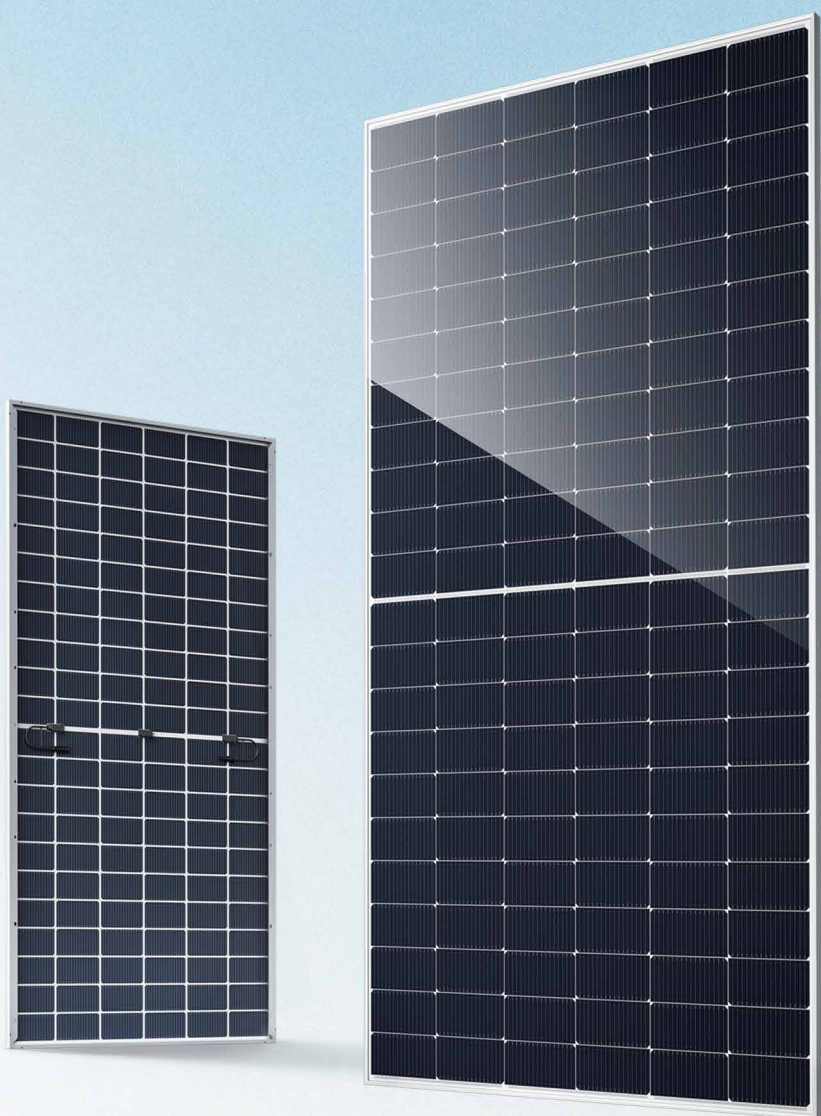


30-year linear power
output warranty

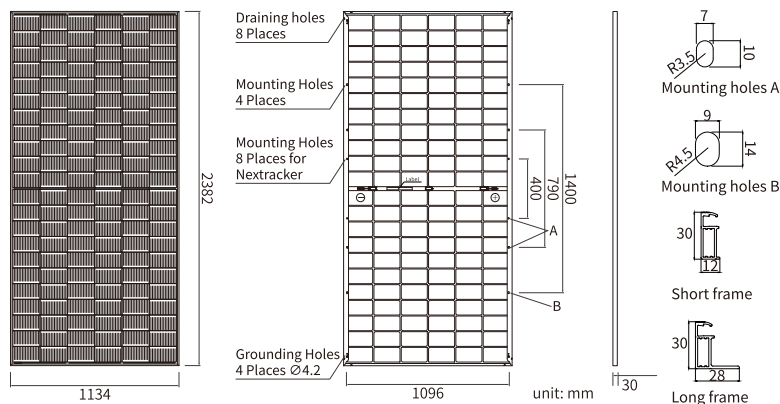
*Remark: The performance warranty applies at STC condition.

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	33.1kg
Dimensions	2382mm×1134mm×30mm
Cable Cross Section Size	4mm ² (IEC), 12 AWG(UL)
No. of cells	132(6×22)
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: 1400mm(+)/1400mm(-)
Front Glass/Back Glass	2.0mm/2.0mm
Packaging Configuration	36pcs/Pallet, 720pcs/40HQ Container
Country of Manufacturer	China/Vietnam

Remark: customized frame color and cable length available upon request

ELECTRICAL PARAMETERS AT STC and BNPI

TYPE	JAM66D45 -625/LB STC BNPI	JAM66D45 -630/LB STC BNPI	JAM66D45 -635/LB STC BNPI	JAM66D45 -640/LB STC BNPI	JAM66D45 -645/LB STC BNPI	JAM66D45 -650/LB STC BNPI
Rated Maximum Power(Pmax) [W]	625 685	630 695	635 701	640 707	645 712	650 718
Open Circuit Voltage (Voc) [V]	48.70 48.70	48.90 48.90	49.10 49.10	49.39 49.39	49.68 49.68	49.97 49.97
Maximum Power Voltage(Vmp) [V]	40.45 40.45	40.70 40.70	40.94 40.94	41.20 41.20	41.43 41.43	41.67 41.67
Short Circuit Current(Isc) [A]	16.15 17.71	16.18 17.85	16.21 17.90	16.24 17.93	16.27 17.96	16.30 17.99
Maximum Power Current(Imp) [A]	15.45 16.94	15.48 17.08	15.51 17.12	15.54 17.16	15.57 17.19	15.60 17.22
Module Efficiency [%]	23.1	23.3	23.5	23.7	23.9	24.1
Short Circuit Current (Isc) [A] at BSI	19.80	19.90	19.95	19.99	20.03	20.07
Power Tolerance	0~+3%					
Temperature Coefficient of Isc/α _{Isc}	+0.045%/°C					
Temperature Coefficient of Voc (β _{Voc})	-0.250%/°C					
Temperature Coefficient of Pmax(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.

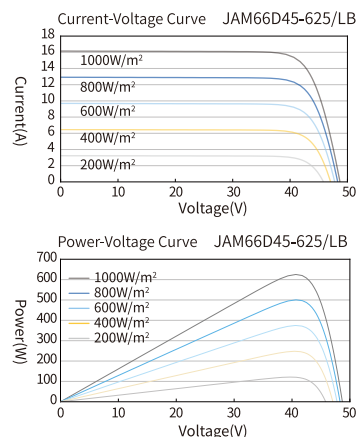
Measurement tolerance at STC and BNPI: Pmax±3%, Voc±3%, Isc±5% and the tolerance of Isc at BSI: ±5%.

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

TYPE	JAM66D45 -625/LB 10% 200W/m ²	JAM66D45 -630/LB 10% 200W/m ²	JAM66D45 -635/LB 10% 200W/m ²	JAM66D45 -640/LB 10% 200W/m ²	JAM66D45 -645/LB 10% 200W/m ²	JAM66D45 -650/LB 10% 200W/m ²
Rated Max Power(Pmax) [W]	688 121	693 122	699 123	704 124	710 125	705 126
Open Circuit Voltage(Voc) [V]	48.70 45.82	48.90 46.00	49.10 46.21	49.39 46.47	49.68 46.77	49.97 47.02
Max Power Voltage(Vmp) [V]	40.45 39.66	40.70 39.81	40.94 40.03	41.20 40.24	41.43 40.52	41.67 40.71
Short Circuit Current(Isc) [A]	17.77 3.23	17.80 3.24	17.83 3.24	17.86 3.25	17.90 3.25	17.93 3.26
Max Power Current(Imp) [A]	17.00 3.06	17.03 3.07	17.06 3.08	17.09 3.09	17.13 3.10	17.16 3.10
Irradiation Ratio (rear/front)	10%					
Low Irradiance	(200±2) W/m ² , module at (25±2) °C					

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

CHARACTERISTICS



OPERATING CONDITIONS

Maximum System Voltage	1500V DC
Operating Temperature*	-40°C~+70°C
Maximum Series Fuse Rating	35A
Maximum Static Load, Front**	3600Pa, 1.5
Maximum Static Load, Back**	1600Pa, 1.5
NOCT	45±2°C
Bifaciality	φPmax(80±5)%, φVoc(98±5)%, φIsc(80±5)%
Safety Class	Class II
Fire Performance	Class C

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