

Harvest the Sunshine

JA SOLAR

620W



JAM66D45 LB n-type Double Glass Bifacial Modules

Premium Cells

n-
Bycium+
16BB

MBB Half-Cell
Technology

26%



Cell Conversion
Efficiency

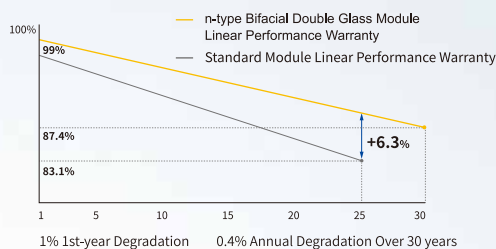
Premium Modules

Higher power
generation better LCOE

n-type with very
Lower LID

Better Temperature
Coefficient

Better low irradiance
response



12-year product
warranty

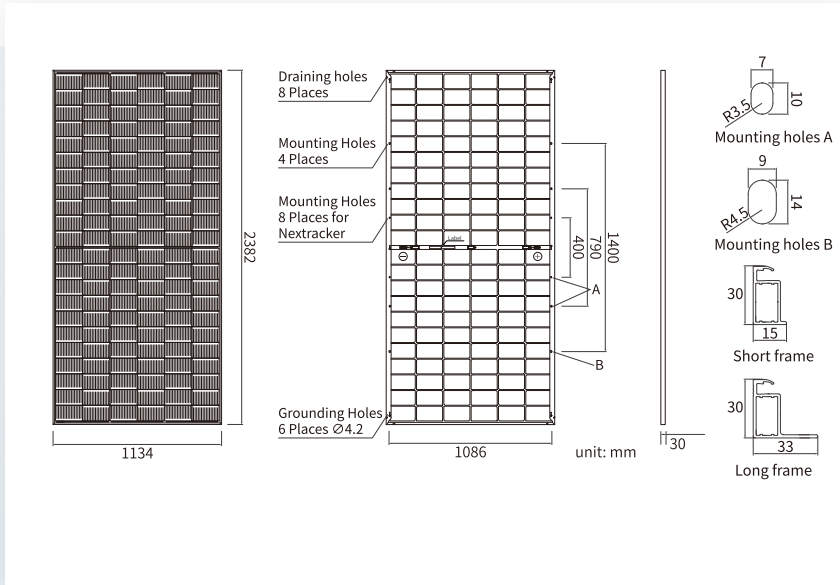
30-year linear power
output warranty

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



MECHANICAL PARAMETERS

Cell	Mono
Weight	33.1kg
Dimensions	2382 × 1134mm × 30mm
Cable Cross Section Size	4mm ² (IEC), 12 AWG(UL)
No. of cells	132(6 × 22)
Junction Box	IP68, 3diodes
Connector	QC Solar QC4.10-351/QC4.10-35 Stäubli PV-KST4-EVO2A/xy, PV-KBT4-EVO2A/xy
Cable Length (including Connector)	Portrait: 300mm(+)/400mm(-) Landscape: 1500mm(+)/1500mm(-)
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 -595/LB		JAM66D45 -600/LB		JAM66D45 -605/LB		JAM66D45 -610/LB		JAM66D45 -615/LB		JAM66D45 -620/LB	
	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI
Rated Maximum Power(Pmax) [W]	595	655	600	660	605	665	610	670	615	675	620	680
Open Circuit Voltage (Voc) [V]	47.50	47.50	47.70	47.70	47.90	47.90	48.10	48.10	48.30	48.30	48.50	48.50
Maximum Power Voltage(Vmp) [V]	39.27	39.27	39.44	39.44	39.60	39.60	39.77	39.77	39.96	39.96	40.21	40.21
Short Circuit Current(Isc) [A]	15.90	17.51	15.95	17.55	16.00	17.59	16.05	17.63	16.10	17.68	16.13	17.70
Maximum Power Current(Imp) [A]	15.15	16.68	15.21	16.74	15.28	16.80	15.34	16.85	15.39	16.90	15.42	16.92
Module Efficiency [%]	22.0		22.2		22.4		22.6		22.8		23.0	
Short Circuit Current (Isc) [A] at BSI	19.51		19.54		19.58		19.73		19.77		19.78	
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											

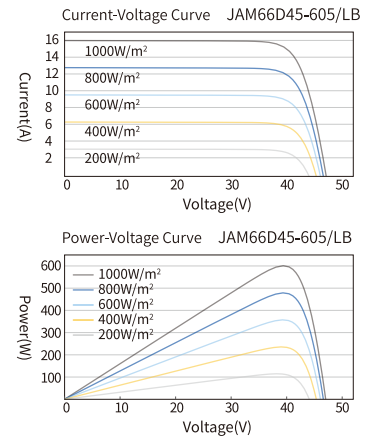
Remark: Electrical data in this catalog do not refer to a single module and they are not part of the offer. They only serve for comparison among different module types. Measurement tolerance at STC and BNPI: Pmax ±3%, Voc ±3% and Isc ±5%.

ELECTRICAL CHARACTERISTICS WITH 10% Bifacial Gains

TYPE	JAM66D45 -595/LB	JAM66D45 -600/LB	JAM66D45 -605/LB	JAM66D45 -610/LB	JAM66D45 -615/LB	JAM66D45 -620/LB
	Rated Max Power(Pmax) [W]	654.5	660.0	665.5	671.0	676.5
Open Circuit Voltage(Voc) [V]	47.50	47.70	47.90	48.10	48.30	48.50
Max Power Voltage(Vmp) [V]	39.27	39.44	39.60	39.77	39.96	40.21
Short Circuit Current(Isc) [A]	17.49	17.55	17.60	17.66	17.71	17.74
Max Power Current(Imp) [A]	16.67	16.73	16.81	16.87	16.93	16.96

* 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~+85°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 ± 10) %, φVoc (98 ± 5) %, φIsc (80 ± 10) %
Safety Class	Class II
Fire Safety Class	Class C

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

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