

# Harvest the Sunshine

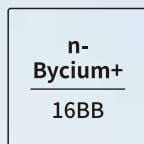
# JA SOLAR

# 630W



## JAM66D45 LB n-type Double Glass Bifacial Modules

### Premium Cells



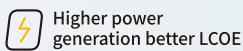
MBB Half-Cell Technology

# 26%



Cell Conversion Efficiency

### Premium Modules



Higher power generation better LCOE



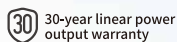
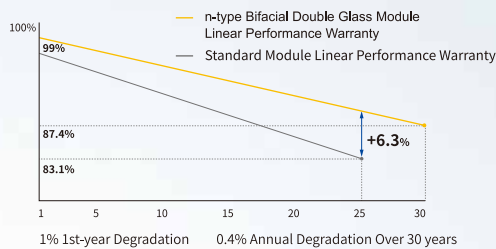
n-type with very Lower LID



Better Temperature Coefficient



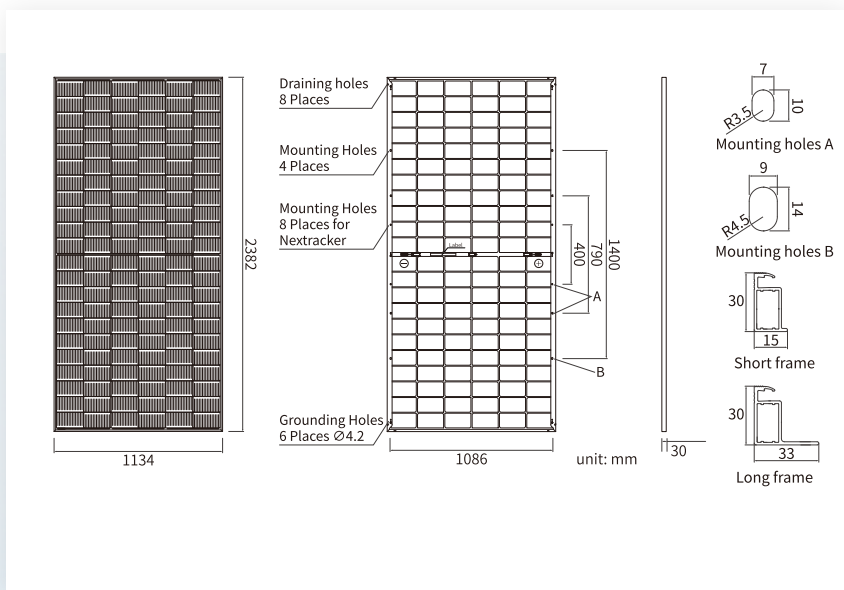
Better low irradiance response



### 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





### MECHANICAL PARAMETERS

Cell	Mono
Weight	39.6kg
Dimensions	2382 × 1134mm × 30mm
Cable Cross Section Size	4mm <sup>2</sup> (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	2.5mm/2.5mm
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 -605/LB		JAM66D45 -610/LB		JAM66D45 -615/LB		JAM66D45 -620/LB		JAM66D45 -625/LB		JAM66D45 -630/LB	
	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI
Rated Maximum Power(Pmax) [W]	605	665	610	670	615	675	620	680	625	685	630	695
Open Circuit Voltage (Voc) [V]	47.90	47.90	48.10	48.10	48.30	48.30	48.50	48.50	48.70	48.70	48.90	48.90
Maximum Power Voltage(Vmp) [V]	39.60	39.60	39.77	39.77	39.96	39.96	40.21	40.21	40.45	40.45	40.70	40.70
Short Circuit Current(Isc) [A]	16.00	17.59	16.05	17.63	16.10	17.68	16.13	17.70	16.15	17.71	16.18	17.85
Maximum Power Current(Imp) [A]	15.28	16.80	15.34	16.85	15.39	16.90	15.42	16.92	15.45	16.94	15.48	17.08
Module Efficiency [%]	22.4		22.6		22.8		23.0		23.1		23.3	
Short Circuit Current (Isc) [A]at BSI	19.58		19.73		19.77		19.78		19.80		19.90	
Power Tolerance							0~+3%					
Temperature Coefficient of Isc(α <sub>Isc</sub> )							+0.045%/°C					
Temperature Coefficient of Voc (β <sub>Voc</sub> )							-0.250%/°C					
Temperature Coefficient of Pmax(γ <sub>Pmp</sub> )							-0.290%/°C					
STC	Irradiance 1000W/m <sup>2</sup> , cell temperature 25°C, AM1.5G											
BNPI	front Irradiance 1000W/m <sup>2</sup> , rear Irradiance 135W/m <sup>2</sup>											
BSI	front Irradiance 1000W/m <sup>2</sup> , rear Irradiance 300W/m <sup>2</sup>											

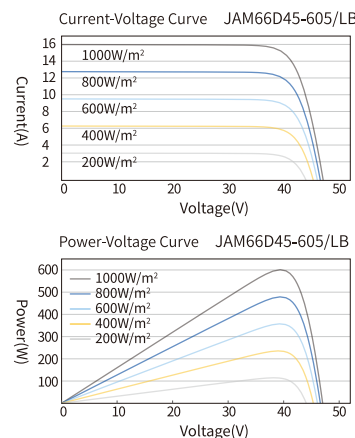
Remark: Electrical data in this catalog do not refer to a single module and they are not part of the offer. They only serve for comparison among different module types. Measurement tolerance at STC and BNPI: Pmax ±3%, Voc ±3% and Isc ±5%.

### ELECTRICAL CHARACTERISTICS WITH 10% Bifacial Gains

TYPE	JAM66D45 -605/LB	JAM66D45 -610/LB	JAM66D45 -615/LB	JAM66D45 -620/LB	JAM66D45 -625/LB	JAM66D45 -630/LB
	Rated Max Power(Pmax) [W]	665.5	671.0	676.5	682.0	687.5
Open Circuit Voltage(Voc) [V]	47.90	48.10	48.30	48.50	48.70	48.90
Max Power Voltage(Vmp) [V]	39.60	39.77	39.96	40.21	40.45	40.70
Short Circuit Current(Isc) [A]	17.60	17.66	17.71	17.74	17.77	17.80
Max Power Current(Imp) [A]	16.81	16.87	16.93	16.96	17.00	17.03

\* 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~+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.

Version No. : AU-EN-20250110A