

# Harvest the Sunshine

# JA SOLAR

# 640W



## JAM66D45 LB n-type Double Glass Bifacial Modules

### Premium Cells

n-  
Bycium+  
16BB

MBB Half-Cell  
Technology

# 26%



Cell Conversion  
Efficiency

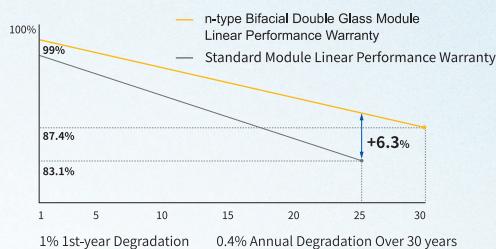
### Premium Modules

Higher power  
generation better LCOE

n-type with very  
Lower LID

Better Temperature  
Coefficient

Better low irradiance  
response

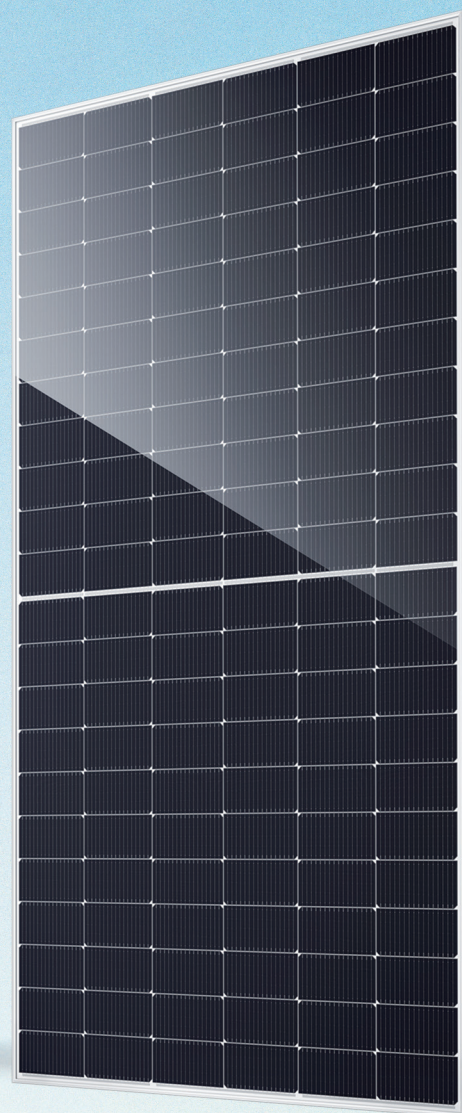


12-year product  
warranty

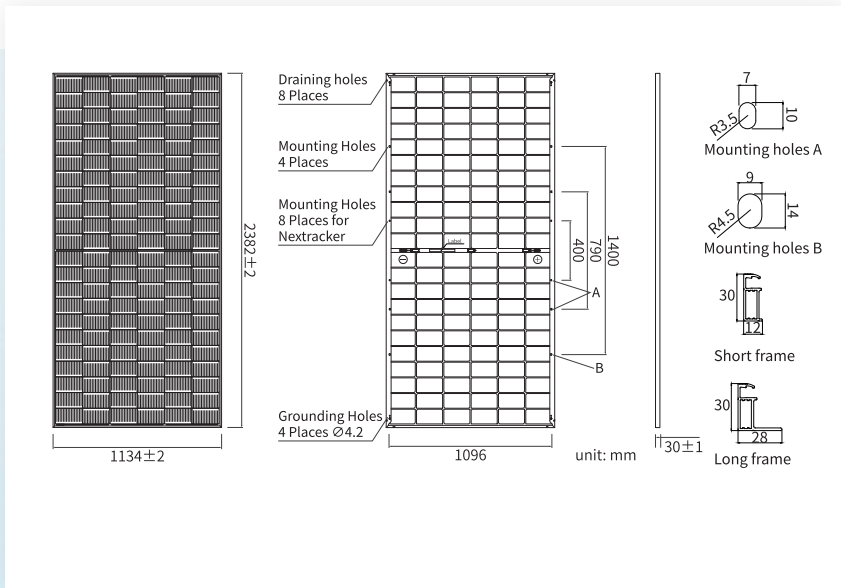
30-year linear power  
output warranty

### Comprehensive Certificates

- IEC 61215, IEC 61730, UL 61215, UL 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	32.8kg
Dimensions	2382±2mm × 1134±2mm × 30±1mm
Cable Cross Section Size	4mm <sup>2</sup> (IEC), 12 AWG(UL)
No. of cells	132(6×22)
Junction Box	IP68, 3diodes
Connector	QC 4.10-351/ MC4-EVO2A
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

Remark: customized frame color and cable length available upon request

### ELECTRICAL PARAMETERS AT STC

TYPE	JAM66D45 -615/LB	JAM66D45 -620/LB	JAM66D45 -625/LB	JAM66D45 -630/LB	JAM66D45 -635/LB	JAM66D45 -640/LB
Rated Maximum Power(Pmax) [W]	615	620	625	630	635	640
Open Circuit Voltage (Voc) [V]	48.30	48.50	48.70	48.90	49.10	49.39
Maximum Power Voltage(Vmp) [V]	39.96	40.21	40.45	40.70	40.94	41.20
Short Circuit Current(Isc) [A]	16.10	16.13	16.15	16.18	16.21	16.24
Maximum Power Current(Imp) [A]	15.39	15.42	15.45	15.48	15.51	15.54
Module Efficiency [%]	22.8	23.0	23.1	23.3	23.5	23.7
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					

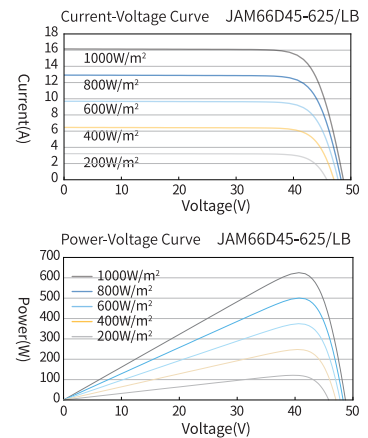
Remark: Electrical data in this catalog do not refer to a single module and they are not part of the offer. They only serve for comparison among different module types.

### ELECTRICAL CHARACTERISTICS WITH 10% SOLAR IRRADIATION RATIO

TYPE	JAM66D45 -615/LB	JAM66D45 -620/LB	JAM66D45 -625/LB	JAM66D45 -630/LB	JAM66D45 -635/LB	JAM66D45 -640/LB
Rated Max Power(Pmax) [W]	664	670	675	680	686	691
Open Circuit Voltage(Voc) [V]	48.30	48.50	48.70	48.90	49.10	49.39
Max Power Voltage(Vmp) [V]	39.96	40.21	40.45	40.70	40.94	41.20
Short Circuit Current(Isc) [A]	17.39	17.42	17.44	17.47	17.51	17.54
Max Power Current(Imp) [A]	16.62	16.65	16.69	16.72	16.75	16.78
Irradiation Ratio (rear/front)	10%					

\* 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*	5400Pa(112 lb/ft <sup>2</sup> )
Maximum Static Load, Back*	2400Pa(50 lb/ft <sup>2</sup> )
NOCT	45±2°C
Bifaciality	80%±5%
Safety Class	Class II
Fire Performance	UL Type 29/Class C