

# Harvest the Sunshine

# JA SOLAR

# 630W



## JAM66D45 LB n-type Double Glass Bifacial Modules

### Premium Cells

n-  
Bycium+  
16BB

MBB Half-Cell  
Technology

# 26%



Cell Conversion  
Efficiency

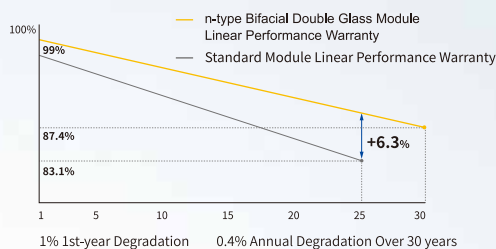
### Premium Modules

Higher power  
generation better LCOE

n-type with very  
Lower LID

Better Temperature  
Coefficient

Better low irradiance  
response



12-year product  
warranty

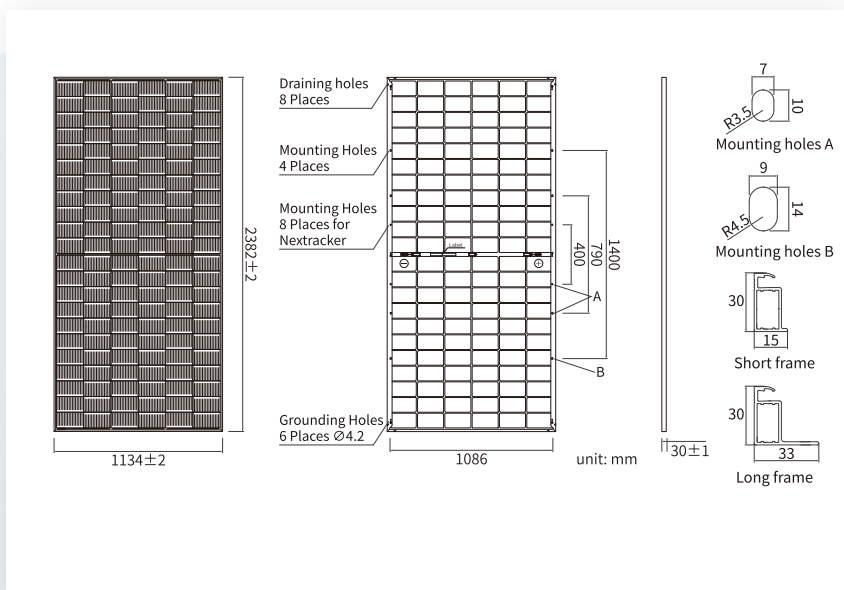
30-year linear power  
output warranty

### 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                             | 33.1kg  |
| 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: 300mm(+)/400mm(-)<br>Landscape: 1500mm(+)/1500mm(-) |
| 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<br>605/LB  | JAM66D45<br>610/LB | JAM66D45<br>615/LB | JAM66D45<br>620/LB | JAM66D45<br>625/LB | JAM66D45<br>630/LB |
|--|---|--------------------|--------------------|--------------------|--------------------|--------------------|
| Rated Maximum Power(Pmax) [W]                      | 605   | 610                | 615                | 620                | 625                | 630                |
| Open Circuit Voltage (Voc) [V]                     | 47.90   | 48.10              | 48.30              | 48.50              | 48.70              | 48.90              |
| Maximum Power Voltage(Vmp) [V]                     | 39.60   | 39.77              | 39.96              | 40.21              | 40.45              | 40.70              |
| Short Circuit Current(Isc) [A]                     | 16.00   | 16.05              | 16.10              | 16.13              | 16.15              | 16.18              |
| Maximum Power Current(Imp) [A]                     | 15.28   | 15.34              | 15.39              | 15.42              | 15.45              | 15.48              |
| Module Efficiency [%]                              | 22.4  | 22.6               | 22.8               | 23.0               | 23.1               | 23.3               |
| 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.

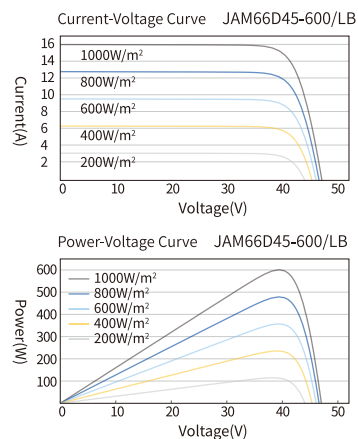
## ELECTRICAL CHARACTERISTICS WITH 10% SOLAR IRRADIATION RATIO

| TYPE                           | JAM66D45<br>605/LB | JAM66D45<br>610/LB | JAM66D45<br>615/LB | JAM66D45<br>620/LB | JAM66D45<br>625/LB | JAM66D45<br>630/LB |
|--------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Rated Max Power(Pmax) [W]      | 653                | 659                | 664                | 670                | 675                | 680                |
| 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] | 17.28              | 17.33              | 17.39              | 17.42              | 17.44              | 17.47              |
| Max Power Current(Imp) [A]     | 16.50              | 16.56              | 16.62              | 16.65              | 16.69              | 16.72              |
| Irradiation Ratio (rear/front) | 10%                |                    |                    |                    |                    |                    |

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

\*\* Bifaciality=Pmax, rear/Rated Pmax, front

## 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%±10%                         |
| Safety Class                | Class II                        |
| Fire Performance            | UL Type 29/Class C              |