

Harvest the Sunshine

620W

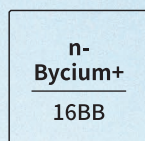


JA SOLAR

# 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



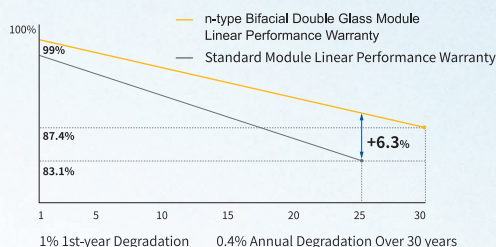
n-type with very  
Lower LID



Better Temperature  
Coefficient



Better low irradiance  
response



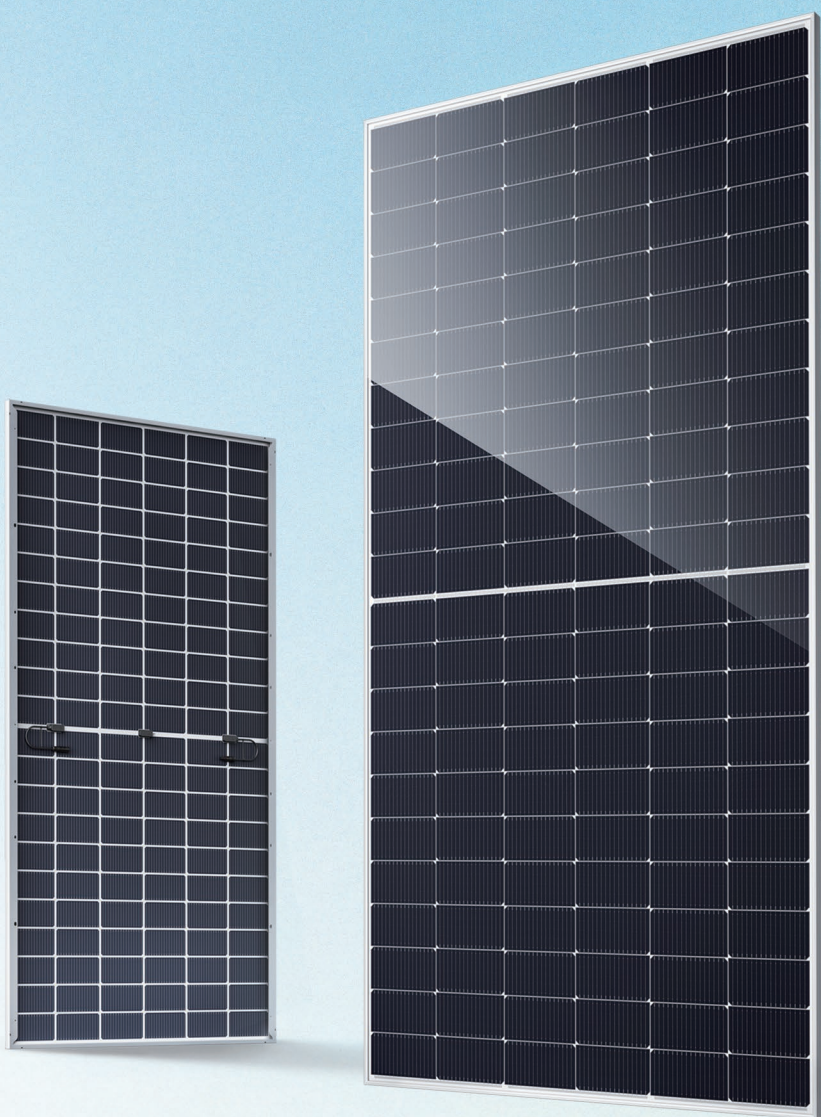
12-year product  
warranty



30-year linear power  
output warranty

## 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

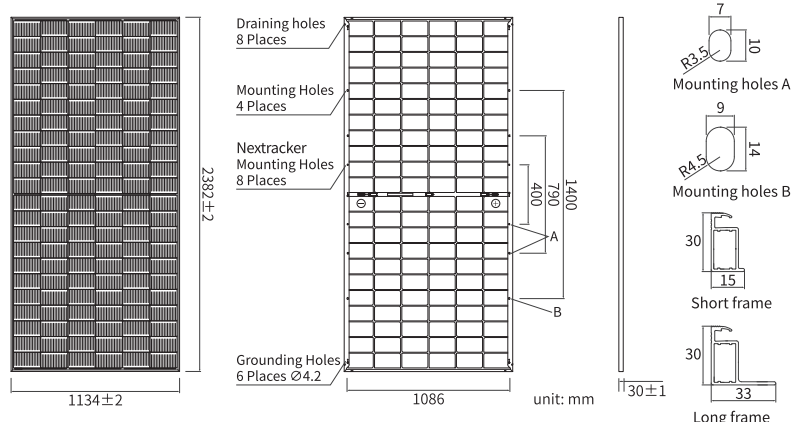


DEEP BLUE 4.0 Pro



# JAM66D45 LB

n-type Double Glass Bifacial Modules



## MECHANICAL PARAMETERS

|                                       |                                                               |
|---------------------------------------|---------------------------------------------------------------|
| Cell                                  | Mono                                                          |
| Weight                                | 33.1kg                                                        |
| Dimensions                            | 2382±2mm×1134±2mm×30±1mm                                      |
| Cable Cross Section Size              | 4mm²(IEC), 12 AWG(UL)                                         |
| No. of cells                          | 132(6×22)                                                     |
| Junction Box                          | IP68, 3个diodes                                                |
| Connector                             | QC 4.10-351/ MC4-EVO2A                                        |
| Cable Length<br>(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>595/LB                                 | JAM66D45<br>600/LB | JAM66D45<br>605/LB | JAM66D45<br>610/LB | JAM66D45<br>615/LB | JAM66D45<br>620/LB |
|----------------------------------------|----------------------------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Rated Maximum Power(Pmax) [W]          | 595                                                | 600                | 605                | 610                | 615                | 620                |
| Open Circuit Voltage (Voc) [V]         | 47.50                                              | 47.70              | 47.90              | 48.10              | 48.30              | 48.50              |
| Maximum Power Voltage(Vmp) [V]         | 39.27                                              | 39.44              | 39.60              | 39.77              | 39.96              | 40.21              |
| Short Circuit Current(Isc) [A]         | 15.90                                              | 15.95              | 16.00              | 16.05              | 16.10              | 16.13              |
| Maximum Power Current(Imp) [A]         | 15.15                                              | 15.21              | 15.28              | 15.34              | 15.39              | 15.42              |
| Module Efficiency [%]                  | 22.0                                               | 22.2               | 22.4               | 22.6               | 22.8               | 23.0               |
| Power Tolerance                        | 0~+3%                                              |                    |                    |                    |                    |                    |
| Temperature Coefficient of Isc(α_Isc)  | +0.046%/°C                                         |                    |                    |                    |                    |                    |
| Temperature Coefficient of Voc(β_Voc)  | -0.260%/°C                                         |                    |                    |                    |                    |                    |
| Temperature Coefficient of Pmax(γ_Pmp) | -0.290%/°C                                         |                    |                    |                    |                    |                    |
| STC                                    | Irradiance 1000W/m², 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.

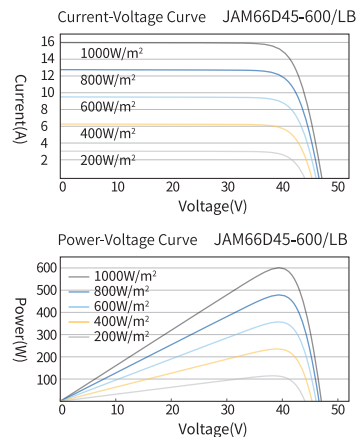
## ELECTRICAL CHARACTERISTICS WITH 10% SOLAR IRRADIATION RATIO

| TYPE                           | JAM66D45<br>595/LB | JAM66D45<br>600/LB | JAM66D45<br>605/LB | JAM66D45<br>610/LB | JAM66D45<br>615/LB | JAM66D45<br>620/LB |
|--------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Rated Max Power(Pmax) [W]      | 643                | 648                | 653                | 659                | 664                | 670                |
| 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] | 17.17              | 17.23              | 17.28              | 17.33              | 17.39              | 17.42              |
| Max Power Current(Imp) [A]     | 16.36              | 16.43              | 16.50              | 16.56              | 16.62              | 16.65              |
| Irradiation Ratio (rear/front) | 10%                |                    |                    |                    |                    |                    |

\* For Nextacker installations, maximum static load please take compatibility approve letter between JA Solar and Nextacker 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/ft²) |
| Maximum Static Load, Back*  | 2400Pa(50 lb/ft²)  |
| NOCT                        | 45±2°C             |
| Bifaciality**               | 80%±10%            |
| Fire Performance            | UL Type 29         |