

Harvest the Sunshine

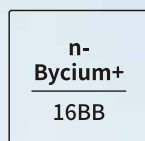
630W



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



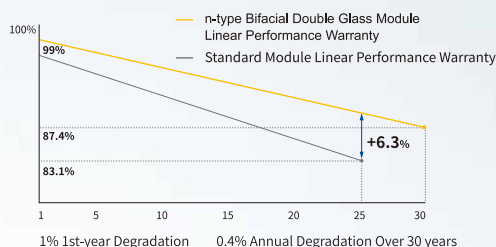
n-type with very  
Lower LID



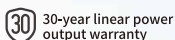
Better Temperature  
Coefficient



Better low irradiance  
response



12-year product  
warranty



30-year linear power  
output warranty

### Comprehensive Certificates

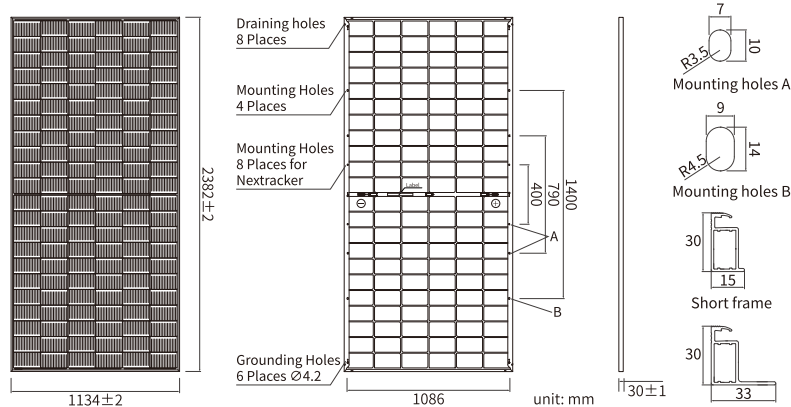
- IEC 61215, IEC 61730, UL 61215, UL 61730
- ISO 9001: 2015 Quality management systems
- ISO 14001: 2015 Environmental management systems
- ISO 45001: 2018 Occupational health and safety management systems
- IEC 62941: 2019 Terrestrial photovoltaic (PV) modules - Quality system for PV module manufacturing



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              | 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<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>-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(P <sub>max</sub> ) [W]                      | 605                                                             | 610                 | 615                 | 620                 | 625                 | 630                 |
| Open Circuit Voltage (V <sub>oc</sub> ) [V]                     | 47.90                                                           | 48.10               | 48.30               | 48.50               | 48.70               | 48.90               |
| Maximum Power Voltage(V <sub>mp</sub> ) [V]                     | 39.60                                                           | 39.77               | 39.96               | 40.21               | 40.45               | 40.70               |
| Short Circuit Current(I <sub>sc</sub> ) [A]                     | 16.00                                                           | 16.05               | 16.10               | 16.13               | 16.15               | 16.18               |
| Maximum Power Current(I <sub>mp</sub> ) [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 I <sub>sc</sub> /α <sub>Isc</sub>    | +0.045%/°C                                                      |                     |                     |                     |                     |                     |
| Temperature Coefficient of V <sub>oc</sub> (β <sub>Voc</sub> )  | -0.250%/°C                                                      |                     |                     |                     |                     |                     |
| Temperature Coefficient of P <sub>max</sub> (γ <sub>Pmp</sub> ) | -0.290%/°C                                                      |                     |                     |                     |                     |                     |
| STC                                                             | Irradiance 1000W/m <sup>2</sup> , cell temperature 25°C, AM1.5G |                     |                     |                     |                     |                     |

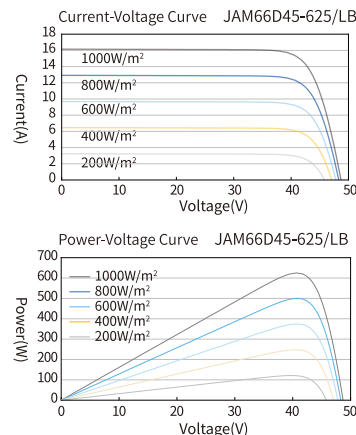
Remark: Electrical data in this catalog do not refer to a single module and they are not part of the offer. They only serve for comparison among different module types.

## 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(P <sub>max</sub> ) [W]      | 653                 | 659                 | 664                 | 670                 | 675                 | 680                 |
| Open Circuit Voltage(V <sub>oc</sub> ) [V]  | 47.90               | 48.10               | 48.30               | 48.50               | 48.70               | 48.90               |
| Max Power Voltage(V <sub>mp</sub> ) [V]     | 39.60               | 39.77               | 39.96               | 40.21               | 40.45               | 40.70               |
| Short Circuit Current(I <sub>sc</sub> ) [A] | 17.28               | 17.33               | 17.39               | 17.42               | 17.44               | 17.47               |
| Max Power Current(I <sub>mp</sub> ) [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.

## 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              |



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

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