

**595W** 

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

## n-type Bifacial Double Glass High Efficiency Mono Module JAM72D40 GB

**570-595**

### 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



**GB**  
Series



|                                       |                                                                |
|---------------------------------------|----------------------------------------------------------------|
| Cell                                  | Mono-16BB                                                      |
| Weight                                | 31.8kg                                                         |
| Dimensions                            | 2278±2mm×1134±2mm×30±1mm                                       |
| Cable Cross Section Size              | 4mm <sup>2</sup> (IEC), 12 AWG(UL)                             |
| No. of cells                          | 144(6×24)                                                      |
| Junction Box                          | IP68, 3 diodes                                                 |
| Connector                             | QC 4.10-351/ MC4-EVO2A                                         |
| Cable Length<br>(Including Connector) | Portrait: 300mm(+)/400mm(-);<br>Landscape: 1300mm(+)/1300mm(-) |
| Front Glass/Back Glass                | 2.0mm/2.0mm                                                    |
| Packaging Configuration               | 36pcs/Pallet, 720pcs/40HQ Container                            |


**ELECTRICAL PARAMETERS AT STC**

| TYPE                                              | JAM72D40<br>-570/CB                               | JAM72D40<br>-575/CB | JAM72D40<br>-580/CB | JAM72D40<br>-585/CB | JAM72D40<br>-590/CB | JAM72D40<br>-595/CB |
|---------------------------------------------------|---------------------------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Rated Maximum Power(Pmax) [W]                     | 570                                               | 575                 | 580                 | 585                 | 590                 | 595                 |
| Open Circuit Voltage(Voc) [V]                     | 51.52                                             | 51.73               | 51.95               | 52.16               | 52.37               | 52.58               |
| Maximum Power Voltage(Vmp) [V]                    | 43.62                                             | 43.82               | 44.02               | 44.22               | 44.43               | 44.64               |
| Short Circuit Current(Isc) [A]                    | 13.74                                             | 13.79               | 13.84               | 13.89               | 13.94               | 13.99               |
| Maximum Power Current(Imp) [A]                    | 13.07                                             | 13.12               | 13.17               | 13.23               | 13.28               | 13.33               |
| Module Efficiency [%]                             | 22.1                                              | 22.3                | 22.5                | 22.6                | 22.8                | 23.0                |
| Power Tolerance                                   | 0~+3%                                             |                     |                     |                     |                     |                     |
| Temperature Coefficient of Isc( $\alpha_{Isc}$ )  | +0.046%/℃                                         |                     |                     |                     |                     |                     |
| Temperature Coefficient of Voc( $\beta_{Voc}$ )   | -0.260%/℃                                         |                     |                     |                     |                     |                     |
| Temperature Coefficient of Pmax( $\gamma_{Pmp}$ ) | -0.290%/℃                                         |                     |                     |                     |                     |                     |
| STC                                               | Irradiance 1000W/m², cell temperature 25℃, 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                           | JAM72D40<br>-570/GB | JAM72D40<br>-575/GB | JAM72D40<br>-580/GB | JAM72D40<br>-585/GB | JAM72D40<br>-590/GB | JAM72D40<br>-595/GB |
|--------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| Rated Max Power(Pmax) [W]      | 616                 | 621                 | 626                 | 632                 | 637                 | 643                 |
| Open Circuit Voltage(Voc) [V]  | 51.52               | 51.73               | 51.95               | 52.16               | 52.37               | 52.58               |
| Max Power Voltage(Vmp) [V]     | 43.62               | 43.82               | 44.02               | 44.22               | 44.43               | 44.64               |
| Short Circuit Current(Isc) [A] | 14.84               | 14.89               | 14.95               | 15.00               | 15.06               | 15.11               |
| Max Power Current(Imp) [A]     | 14.11               | 14.17               | 14.23               | 14.29               | 14.34               | 14.40               |
| Irradiation Ratio (rear/front) | 10%                 |                     |                     |                     |                     |                     |

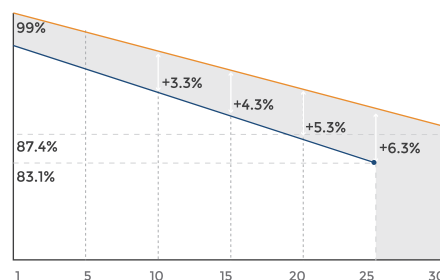
\*For Nextracker installations, maximum static load please take compatibility approve letter between JA Solar and Nextracker for reference.

$$^{**}\text{Bifaciality} = P_{\text{max, rear}} / \text{Rated } P_{\text{max, front}}$$

## CHARACTERISTICS

 **Superior Warranty**

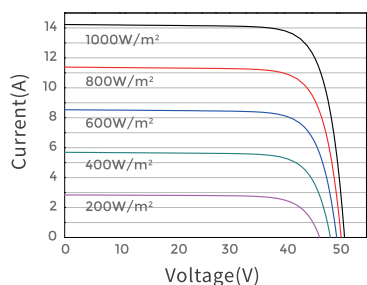
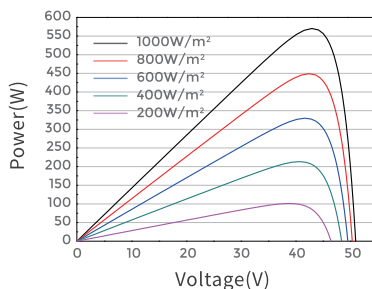
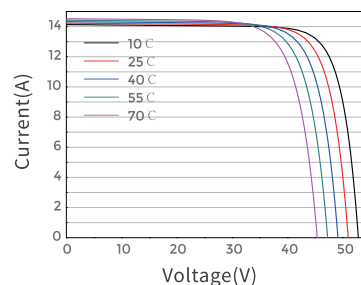
1% 1st-year Degradation  
0.4% Annual Degradation Over 30 years



- n-type Bifacial Double Glass Module Linear Performance Warranty
- Standard Module Linear Performance Warranty

## OPERATING CONDITIONS

|                            |                    |
|----------------------------|--------------------|
| Maximum System Voltage     | 1500V DC           |
| Operating Temperature      | -40 °C ~+85 °C     |
| Maximum Series Fuse Rating | 30A                |
| 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         |

Current-Voltage Curve **JAM72D40-570/GB**Power-Voltage Curve **JAM72D40-570/GB**Current-Voltage Curve **JAM72D40-570/GB**

Harvest the Sunshine

620W

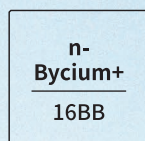


JA SOLAR

# 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



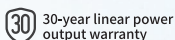
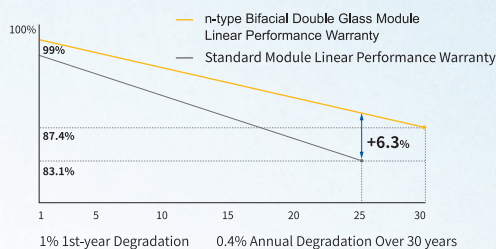
n-type with very Lower LID



Better Temperature Coefficient

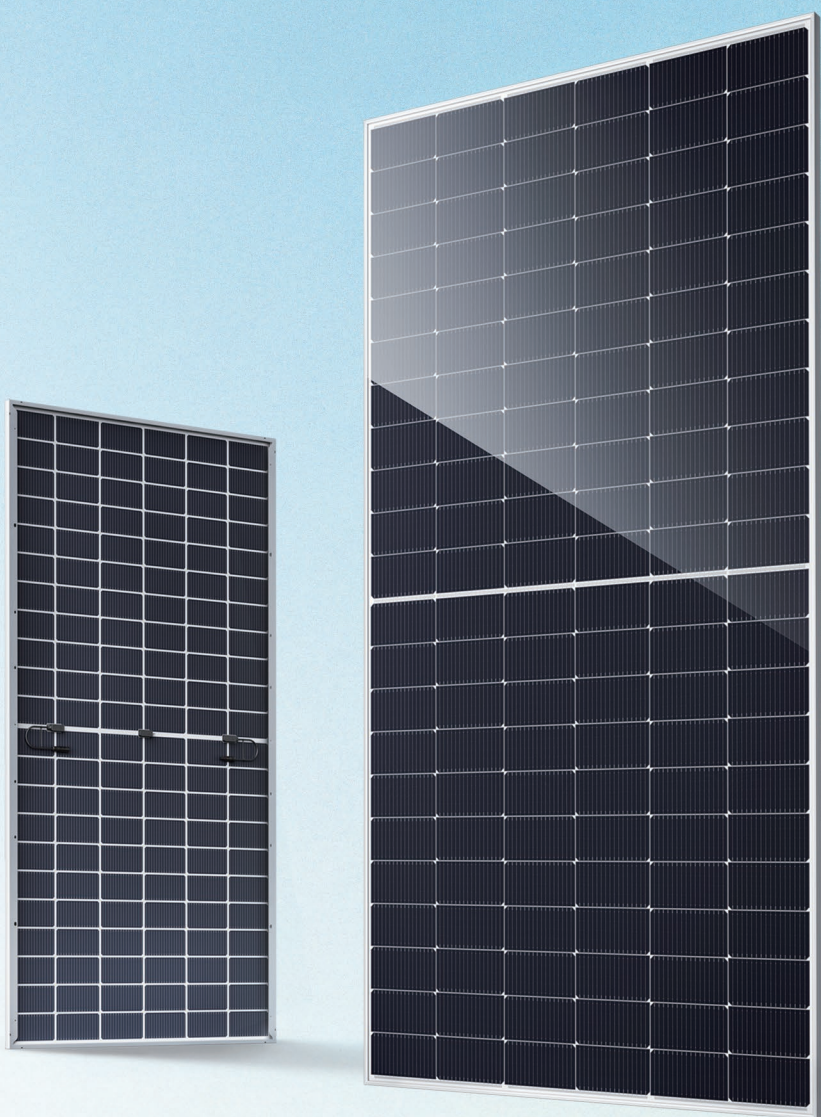


Better low irradiance response



## Comprehensive Certificates

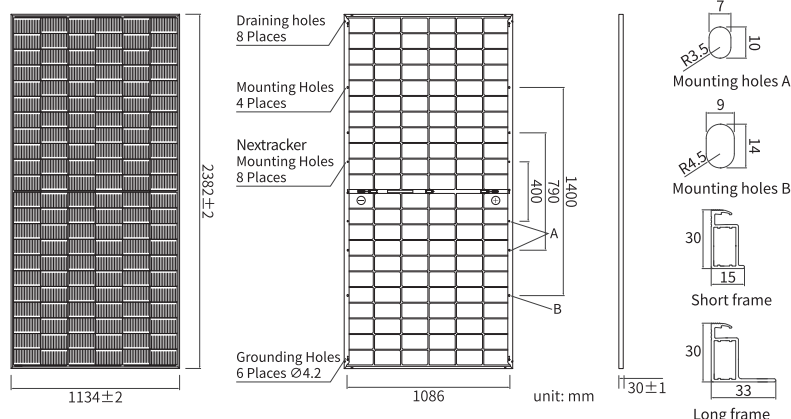
- IEC 61215, IEC 61730, UL 61215, UL 61730
- ISO 9001: 2015 Quality management systems
- ISO 14001: 2015 Environmental management systems
- ISO 45001: 2018 Occupational health and safety management systems
- IEC 62941: 2019 Terrestrial photovoltaic (PV) modules - Quality system for PV module manufacturing



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 <sub>Isc</sub> )  | +0.046%/°C                                         |                    |                    |                    |                    |                    |
| Temperature Coefficient of Voc(β <sub>Voc</sub> )  | -0.260%/°C                                         |                    |                    |                    |                    |                    |
| Temperature Coefficient of Pmax(γ <sub>Pmp</sub> ) | -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.

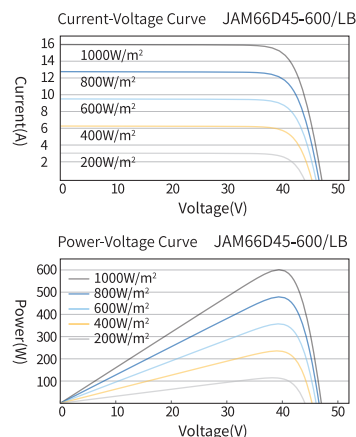
## ELECTRICAL CHARACTERISTICS WITH 10% SOLAR IRRADIATION RATIO

| 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         |