

**570W** 

Higher power generation better LCOE



n-type with low LID



Better low irradiance response



Better temperature coefficient



12-year product warranty



30-year linear power output warranty

**n-type Bifacial Double Glass  
High Efficiency Mono Module  
JAM72D40 MB/1500V**

**555-580**

### Comprehensive Certificates

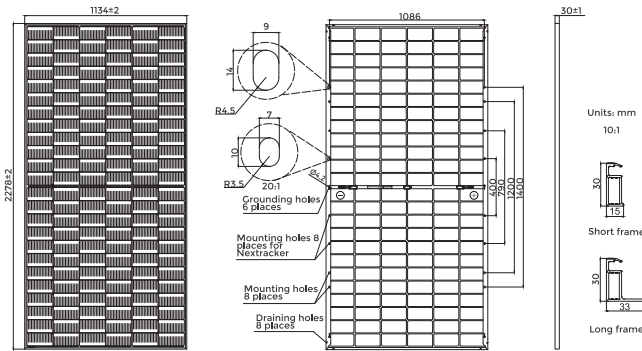
- IEC 61215, IEC 61730
- ISO 9001: 2015 Quality management systems
- ISO 14001: 2015 Environmental management systems
- ISO 45001: 2018 Occupational health and safety management systems





**555-580**  
JAM72D40

**MB**  
Series



Remark: customized frame color and cable length available upon request

|                                       |                                                                                               |
|---------------------------------------|-----------------------------------------------------------------------------------------------|
| 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                             | Stäubli MC4-EVO2A<br>QC Solar QC 4.10-351                                                     |
| Cable Length<br>(Including Connector) | Portrait: 300mm(+)/400mm(-);<br>800mm(+)/800mm(-)(Leapfrog)<br>Landscape: 1300mm(+)/1300mm(-) |
| Front Glass/Back Glass                | 2.0mm/2.0mm                                                                                   |
| Country of Manufacturer               | China/Vietnam                                                                                 |

## ELECTRICAL PARAMETERS AT STC

| TYPE                                                            | JAM72D40-<br>555/MB/1500V                                       | JAM72D40-<br>560/MB/1500V | JAM72D40-<br>565/MB/1500V | JAM72D40-<br>570/MB/1500V | JAM72D40-<br>575/MB/1500V | JAM72D40-<br>580/MB/1500V |
|-----------------------------------------------------------------|-----------------------------------------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| Rated Maximum Power(P <sub>max</sub> ) [W]                      | 555                                                             | 560                       | 565                       | 570                       | 575                       | 580                       |
| Open Circuit Voltage(V <sub>oc</sub> ) [V]                      | 50.85                                                           | 51.08                     | 51.30                     | 51.52                     | 51.73                     | 51.95                     |
| Maximum Power Voltage(V <sub>mp</sub> ) [V]                     | 43.00                                                           | 43.21                     | 43.42                     | 43.62                     | 43.82                     | 44.02                     |
| Short Circuit Current(I <sub>sc</sub> ) [A]                     | 13.59                                                           | 13.64                     | 13.69                     | 13.74                     | 13.79                     | 13.84                     |
| Maximum Power Current(I <sub>mp</sub> ) [A]                     | 12.91                                                           | 12.96                     | 13.01                     | 13.07                     | 13.12                     | 13.17                     |
| Module Efficiency [%]                                           | 21.5                                                            | 21.7                      | 21.9                      | 22.1                      | 22.3                      | 22.5                      |
| Power Tolerance                                                 | 0~+5W                                                           |                           |                           |                           |                           |                           |
| Temperature Coefficient of I <sub>sc</sub> (α <sub>Isc</sub> )  | +0.046%/°C                                                      |                           |                           |                           |                           |                           |
| Temperature Coefficient of V <sub>oc</sub> (β <sub>Voc</sub> )  | -0.260%/°C                                                      |                           |                           |                           |                           |                           |
| Temperature Coefficient of P <sub>max</sub> (γ <sub>Pmp</sub> ) | -0.300%/°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.  
Measurement tolerance at STC: P<sub>max</sub> ±3%, V<sub>oc</sub> ±3% and I<sub>sc</sub> ±5%.

## ELECTRICAL CHARACTERISTICS WITH 10% SOLAR IRRADIATION RATIO

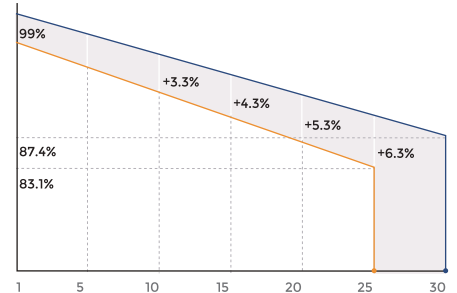
| TYPE                                        | JAM72D40-<br>555/MB/1500V | JAM72D40-<br>560/MB/1500V | JAM72D40-<br>565/MB/1500V | JAM72D40-<br>570/MB/1500V | JAM72D40-<br>575/MB/1500V | JAM72D40-<br>580/MB/1500V |
|---------------------------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------|
| Rated Max Power(P <sub>max</sub> ) [W]      | 599                       | 605                       | 610                       | 616                       | 621                       | 626                       |
| Open Circuit Voltage(V <sub>oc</sub> ) [V]  | 50.58                     | 51.08                     | 51.30                     | 51.52                     | 51.73                     | 51.95                     |
| Max Power Voltage(V <sub>mp</sub> ) [V]     | 43.00                     | 43.21                     | 43.42                     | 43.62                     | 43.82                     | 44.02                     |
| Short Circuit Current(I <sub>sc</sub> ) [A] | 14.68                     | 14.73                     | 14.79                     | 14.84                     | 14.89                     | 14.95                     |
| Max Power Current(I <sub>mp</sub> ) [A]     | 13.94                     | 14.00                     | 14.05                     | 14.11                     | 14.17                     | 14.23                     |
| Irradiation Ratio (rear/front)              | 10%                       |                           |                           |                           |                           |                           |

\*For NexTracker installations, maximum static load please take compatibility approve letter between JA Solar and NexTracker for reference.  
\*\*Bifaciality=P<sub>max, rear</sub>/Rated P<sub>max, front</sub>

## CHARACTERISTICS

## SUPERIOR WARRANTY

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

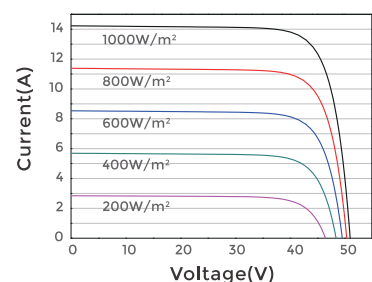


- n-type Bifacial Double Glass Module Linear Performance Warranty
- Standard Module Linear Performance Warranty

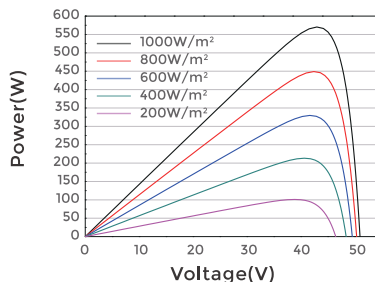
## OPERATING CONDITIONS

|                             |             |
|-----------------------------|-------------|
| Maximum System Voltage      | 1500V DC    |
| Operating Temperature       | -40°C~+85°C |
| Maximum Series Fuse Rating  | 30A         |
| Maximum Static Load, Front* | 3600Pa, 1.5 |
| Maximum Static Load, Back*  | 1600Pa, 1.5 |
| NOCT                        | 45±2°C      |
| Bifaciality**               | 80%±10%     |
| Fire Safety Class           | Class C     |

Current-Voltage Curve JAM72D40-570/MB/1500V



Power-Voltage Curve JAM72D40-570/MB/1500V



Current-Voltage Curve JAM72D40-570/MB/1500V

