505W MBB Bifacial Mono PERC Half-cell Double Glass Module
JAM66D30 480-505/MB/1500V Series

Introduction
Assembled with 11BB bifacial PERCIUM cells and half-cell configuration, these double glass modules have the capability of converting the incident light from the rear side together with the front side into electricity, providing higher output power, lower temperature coefficient, less shading loss, as well as enhanced tolerance for mechanical loading.

- Higher output power
- More reliable, more stable power generation
- Less shading effect
- Lower temperature coefficient

Superior Warranty
- 12-year product warranty
- 30-year linear power output warranty
- 0.45% Annual Degradation Over 30 years

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

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Specifications subject to technical changes and tests.
JA Solar reserves the right of final interpretation.
Shanghai JA Solar Technology Co., Ltd.
**ELECTRICAL PARAMETERS AT STC**

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</thead>
<tbody>
<tr>
<td>Rated Maximum Power (Pmax) [W]</td>
<td>480</td>
<td>485</td>
<td>490</td>
<td>495</td>
<td>500</td>
<td>505</td>
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<tr>
<td>Open Circuit Voltage (Voc) [V]</td>
<td>45.07</td>
<td>45.20</td>
<td>45.33</td>
<td>45.46</td>
<td>45.59</td>
<td>45.72</td>
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<tr>
<td>Maximum Power Voltage (Vmp) [V]</td>
<td>37.62</td>
<td>37.81</td>
<td>37.99</td>
<td>38.17</td>
<td>38.35</td>
<td>38.53</td>
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<tr>
<td>Module Efficiency [%]</td>
<td>20.2</td>
<td>20.4</td>
<td>20.6</td>
<td>20.8</td>
<td>21.0</td>
<td>21.2</td>
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<tr>
<td>Power Tolerance</td>
<td>0~+5W</td>
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<tr>
<td>Temperature Coefficient of Isc(α_Isc)</td>
<td>+0.045%/°C</td>
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<tr>
<td>Temperature Coefficient of Voc(β_Voc)</td>
<td>-0.275%/°C</td>
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<tr>
<td>Temperature Coefficient of Pmax(γ_Pmp)</td>
<td>-0.350%/°C</td>
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**STC**

- Irradiance: 1000 W/m², cell temperature: 25°C, AM1.5G

**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*: 70%-10%
- Fire Performance: UL Type 29

**CHARACTERISTICS**

- Current-Voltage Curve: JAM66D30-495/MB/1500V
- Power-Voltage Curve: JAM66D30-495/MB/1500V
- Current-Voltage Curve: JAM66D30-495/MB/1500V

**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: Pmax ±3%, Voc ±2% and Isc ±4%

**Country of Manufacturer:** China/Vietnam

**Measurement:**

- **Cell:** Mono
- **Weight:** 29.0kg ±3%
- **Dimensions:** 2100x2mmx1134x2mmx35±1mm
- **Cable Cross Section Size:** 4mm² (IEC), 12 AWG (UL)
- **No. of cells:** 132(6x22)
- **Junction Box:** IP68, 3 diodes
- **Connector:** Genuine MC4-EVO2 QC 4.10-35/45
- **Cable Length (Including Connector):** Portrait:300mm(+)/400mm(-), Landscape:1200mm(+)/1200mm(-)
- **Front Glass/Back Glass:** 2.0mm/2.0mm