JA bifacial modules are assembled by high-performance PERCUM cells and encapsulated by glass-glass panels, are capable of converting energy from incident lights on front and diffuse light, as well as reflected and scattered light on rear sides, which make them better reliability, superior low irradiance performance, and excellent energy generation performance.

Introduction

3%~15% more energy generation
Superior low irradiance performance
Excellent temperature dependent performance
Lower LCOE

Superior Warranty

- 12-year product warranty
- 30-year linear power output warranty

Comprehensive Certificates

- IEC 61215, IEC 61730
- ISO 9001: 2015 Quality management systems
- ISO 14001: 2015 Environmental management systems
- OHSAS 18001: 2007 Occupational health and safety management systems
**OPERATING CONDITIONS**

- **Maximum System Voltage**: 1500V DC (IEC)
- **Operating Temperature**: -40°C ~ 85°C
- **Maximum Series Fuse**: 20A
- **Maximum Static Load, Front**: 1600Pa, 1.5
- **Maximum Static Load, Back**: 1600Pa, 1.5
- **NOCT**: 45±2°C
- **Bifaciality**: 70%±5%

**CHARACTERISTICS**

- **Current-Voltage Curve**: JAM72D09-370-380/BP/1500V
- **Power-Voltage Curve**: JAM72D09-380/BP/1500V
- **Current-Voltage Curve**: JAM72D09-380/BP/1500V

**ELECTRICAL CHARACTERISTICS WITH DIFFERENT REAR SIDE POWER GAIN (REFERENCE TO 385W FRONT)**

- **Backside Power Gain**: 5%, 10%, 15%, 20%, 25%
- **Rated Max Power (Pmax) [W]**: 404, 424, 443, 462, 481
- **Open Circuit Voltage (Voc) [V]**: 49.11, 49.11, 49.11, 49.21, 49.21
- **Maximum Power Voltage (Vmp) [V]**: 40.33, 40.33, 40.33, 40.43, 40.43
- **Short Current Current (Isc) [A]**: 10.59, 11.10, 11.60, 12.11, 12.61
- **Max Power Current (Imp) [A]**: 10.02, 10.51, 10.98, 11.43, 11.90

**ELECTRICAL PARAMETERS AT STC**

<table>
<thead>
<tr>
<th>TYPE</th>
<th>JAM72D09-370/BP/1500V</th>
<th>JAM72D09-375/BP/1500V</th>
<th>JAM72D09-380/BP/1500V</th>
<th>JAM72D09-385/BP/1500V</th>
<th>JAM72D09-390/BP/1500V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated Maximum Power (Pmax) [W]</td>
<td>370</td>
<td>375</td>
<td>380</td>
<td>385</td>
<td>390</td>
</tr>
<tr>
<td>Open Circuit Voltage (Voc) [V]</td>
<td>48.20</td>
<td>48.51</td>
<td>48.81</td>
<td>49.11</td>
<td>49.42</td>
</tr>
<tr>
<td>Maximum Power Voltage (Vmp) [V]</td>
<td>39.41</td>
<td>39.73</td>
<td>40.02</td>
<td>40.33</td>
<td>40.63</td>
</tr>
<tr>
<td>Short Circuit Current (Isc) [A]</td>
<td>9.91</td>
<td>9.97</td>
<td>10.03</td>
<td>10.09</td>
<td>10.14</td>
</tr>
<tr>
<td>Module Efficiency [%]</td>
<td>18.6</td>
<td>18.9</td>
<td>19.1</td>
<td>19.4</td>
<td>19.6</td>
</tr>
<tr>
<td>Power Tolerance</td>
<td>0~5W</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Temperature Coefficient of Isc (α_iSc)</td>
<td>+0.06%/°C</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Temperature Coefficient of Voc (β_Voc)</td>
<td>-0.30%/°C</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Temperature Coefficient of Pmax (γ_Pmp)</td>
<td>-0.37%/°C</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**STC**

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

**MECHANICAL DIAGRAMS**

**SPECIFICATIONS**

- **Cell**: Mono
- **Weight**: 28.5kg±3%
- **Dimensions**: 1998±3mm×994±3mm×6±1mm (1998mm×994mm×25mm with junction box)
- **Cable Cross Section Size**: 4mm²
- **No. of cells**: 72 (6x12)
- **Connector**: PV-ZH202B, PV-KST4-EV02/xy, PV-KBT4-EV02/xy, QC4.10-35/45, TL-Cable01S-F, UTXCFabcede, UTXCMabcdef(a=A or B, b=4), LSC-R1, LSC-R4
- **Country of Manufacturer**: China/Vietnam