These double-glass modules assembled with bifacial PERCIUM cells have the capability of converting lights incident on their rear side into electricity on top of what is being generated by the front side, making them the best-performed and the most cost-effective modules in terms of solar energy generation as well as tolerance for harsh environment and extreme weather conditions.

3%～15% more energy generation

framed design, ease of transportation and installation

Superior low irradiance performance

Excellent temperature dependent performance

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 to +85°C
- **Maximum Series Fuse**: 20A
- **Maximum Static Load, Front**: 3600Pa, 1.5
  - **Maximum Static Load, Back**: 1000Pa, 1.5
- **NOCT**: 45±2°C
- **Bifaciality**: 70%±10%

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

<table>
<thead>
<tr>
<th>TYPE</th>
<th>JAM72D09-380/BP/1500V</th>
<th>JAM72D09-385/BP/1500V</th>
<th>JAM72D09-390/BP/1500V</th>
<th>JAM72D09-395/BP/1500V</th>
<th>JAM72D09-400/BP/1500V</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Rated Maximum Power (Pmax) [W]</strong></td>
<td>380</td>
<td>385</td>
<td>390</td>
<td>395</td>
<td>400</td>
</tr>
<tr>
<td><strong>Open Circuit Voltage (Voc) [V]</strong></td>
<td>48.81</td>
<td>49.11</td>
<td>49.42</td>
<td>49.71</td>
<td>50.02</td>
</tr>
<tr>
<td><strong>Maximum Power Voltage (Vmp) [V]</strong></td>
<td>40.02</td>
<td>40.33</td>
<td>40.63</td>
<td>40.94</td>
<td>41.24</td>
</tr>
<tr>
<td><strong>Short Circuit Current (Isc) [A]</strong></td>
<td>10.03</td>
<td>10.09</td>
<td>10.14</td>
<td>10.19</td>
<td>10.24</td>
</tr>
<tr>
<td><strong>Maximum Power Current (Imp) [A]</strong></td>
<td>9.50</td>
<td>9.55</td>
<td>9.60</td>
<td>9.65</td>
<td>9.70</td>
</tr>
<tr>
<td><strong>Module Efficiency [%]</strong></td>
<td>19.0</td>
<td>19.2</td>
<td>19.5</td>
<td>19.7</td>
<td>20.0</td>
</tr>
</tbody>
</table>

### ELECTRICAL PARAMETERS AT STC

- **Power Tolerance**: 0~5W
- **Temperature Coefficient of Isc (α_Isc)**: +0.060%/°C
- **Temperature Coefficient of Voc (β_Voc)**: -0.300%/°C
- **Temperature Coefficient of Pmax (γ_Pmp)**: -0.370%/°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.

Measurement tolerance at STC: Pmax ±3%, Voc ±2% and Isc ±4%.

* Bifaciality = Pmax, rear/Rated Pmax, front

### CHARACTERSISTICS

**Current-Voltage Curve**  JAM72D09-380/BP/1500V

**Power-Voltage Curve**  JAM72D09-380/BP/1500V

**Current-Voltage Curve**  JAM72D09-385/BP/1500V