390W PERC Black Module
JAM72S02 370-390/PR/1000V

Introduction
Powered by high-efficiency PERCIUM cells, this series of high-performance modules provides the most cost-effective solution for lowering the LCOE of any PV systems large or small.

- Higher output power
- 5 busbar solar cell design
- Excellent low-light performance
- Lower temperature coefficient

Superior Warranty
- 12-year product warranty
- 25-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
**MECHANICAL DIAGRAMS**

**SPECIFICATIONS**

- **Cell**: Mono
- **Weight**: 22kg±3%
- **Dimensions**: 1960mm×991mm×40mm
- **Cable Cross Section Size**: 4mm²
- **No. of cells**: 72 (6x12)
- **Connector**: Genuine MC4 QC4.10
- **Country of Manufacturer**: China/Vietnam

**OPERATING CONDITIONS**

- **Maximum System Voltage**: 1000V DC (IEC)
- **Operating Temperature**: -40℃~+85℃
- **Maximum Series Fuse**: 20A
- **Maximum Static Load,Front**: 3600Pa, 1.5
- **Maximum Static Load,Back**: 1600Pa, 1.5
- **NOCT**: 45±2℃
- **Application Class**: Class A

**ELECTRICAL PARAMETERS AT STC**

<table>
<thead>
<tr>
<th>TYPE</th>
<th>JAM72S02-370/PR/1000V</th>
<th>JAM72S02-375/PR/1000V</th>
<th>JAM72S02-380/PR/1000V</th>
<th>JAM72S02-385/PR/1000V</th>
<th>JAM72S02-390/PR/1000V</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>48.18</td>
<td>48.45</td>
<td>48.71</td>
<td>48.98</td>
<td>49.28</td>
</tr>
<tr>
<td>Maximum Power Voltage(Vmp) [V]</td>
<td>39.45</td>
<td>39.75</td>
<td>40.03</td>
<td>40.29</td>
<td>40.61</td>
</tr>
<tr>
<td>Short Circuit Current(Isc) [A]</td>
<td>9.91</td>
<td>9.98</td>
<td>10.05</td>
<td>10.11</td>
<td>10.16</td>
</tr>
<tr>
<td>Module Efficiency [%]</td>
<td>19.0</td>
<td>19.3</td>
<td>19.6</td>
<td>19.8</td>
<td>20.1</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>+0.060%/℃</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Temperature Coefficient of Voc(β_Voc)</td>
<td>-0.300%/℃</td>
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<tr>
<td>Temperature Coefficient of Pmax(γ_Pmp)</td>
<td>-0.380%/℃</td>
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</tr>
</tbody>
</table>

**STC**

Irradiance 1000W/m², cell temperature 25℃, AM1.5G

**ELECTRICAL PARAMETERS AT NOCT**

<table>
<thead>
<tr>
<th>TYPE</th>
<th>JAM72S02-380/PR/1000V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated Max Power(Pmax) [W]</td>
<td>272</td>
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<tr>
<td>Open Circuit Voltage(Voc) [V]</td>
<td>44.55</td>
</tr>
<tr>
<td>Max Power Voltage(Vmp) [V]</td>
<td>36.50</td>
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<tr>
<td>Short Circuit Current(Isc) [A]</td>
<td>7.86</td>
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<tr>
<td>Max Power Current(Imp) [A]</td>
<td>7.45</td>
</tr>
<tr>
<td>NOCT</td>
<td>Irradiance 800W/m², ambient temperature 20℃, wind speed 1m/s, AM1.5G</td>
</tr>
</tbody>
</table>

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- **Application Class**: Class A

**CHARACTERISTICS**

- **Current-Voltage Curve**
  - JAM72S02-380/PR/1000V
- **Power-Voltage Curve**
  - JAM72S02-380/PR/1000V
- **Current-Voltage Curve**
  - JAM72S02-380/PR/1000V

**Version No.** Global_EN_20200602A

**Premium Cells, Premium Modules**