Assembled with multi-busbar PERC cells, the half-cell configuration of the modules offers the advantages of higher power output, better temperature-dependent performance, reduced shading effect on the energy generation, lower risk of hot spot, as well as enhanced tolerance for mechanical loading.

Introduction

- Higher output power
- Lower LCOE
- Less shading and lower resistive loss
- Better mechanical loading tolerance

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
## OPERATING CONDITIONS

**Maximum System Voltage**
- 1000V DC (IEC)

**Operating Temperature**
- -40℃ ~ +85℃

**Maximum Series Fuse**
- 20A

**Maximum Static Load, Front**
- 45±2℃

**Maximum Static Load, Back**
- 20℃

**NOCT**
- Application Class: Class A

**Irradiance**
- Portrait: 1000W/m², cell temperature 25℃, AM1.5G
- Landscape: 800W/m², cell temperature 25℃, AM1.5G

**Connector**
- PV-KBT4/6ll(female), PV-KST4/6ll(male)
- QC4.10

**Country of Manufacturer**
- China/Vietnam

### ELECTRICAL PARAMETERS AT STC

<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td>Rated Maximum Power(Pmax) [W]</td>
<td>390</td>
<td>395</td>
<td>400</td>
<td>405</td>
<td>410</td>
</tr>
<tr>
<td>Open Circuit Voltage(Voc) [V]</td>
<td>49.01</td>
<td>49.30</td>
<td>49.58</td>
<td>49.86</td>
<td>50.12</td>
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<tr>
<td>Maximum Power Voltage(Vmp) [V]</td>
<td>40.71</td>
<td>41.02</td>
<td>41.33</td>
<td>41.60</td>
<td>41.88</td>
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<tr>
<td>Short Circuit Current(Isc) [A]</td>
<td>10.23</td>
<td>10.28</td>
<td>10.33</td>
<td>10.39</td>
<td>10.45</td>
</tr>
<tr>
<td>Module Efficiency [%]</td>
<td>19.4</td>
<td>19.7</td>
<td>19.9</td>
<td>20.2</td>
<td>20.4</td>
</tr>
</tbody>
</table>

**Power Tolerance**
- 0~+5W

**Temperature Coefficient of Isc(α_Isc)**
- +0.044%/℃

**Temperature Coefficient of Voc(β_Voc)**
- -0.272%/℃

**Temperature Coefficient of Pmax(γ_Pmp)**
- -0.350%/℃

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

**Measurement tolerance at STC**
- Pmax ±3 %, Voc ±2% and Isc ±4%

### ELECTRICAL PARAMETERS AT NOCT

**NOCT**
- Irradiance 800W/m², ambient temperature 20℃, wind speed 1m/s, AM1.5G

**Maximum System Voltage**
- 1000V DC (IEC)

**Operating Temperature**
- -40℃ ~ +85℃

**Maximum Series Fuse**
- 20A

**Maximum Static Load, Front**
- Meeting load measures 1600Pa, while back load measures 2400Pa.

**Maximum Static Load, Back**
- Meeting load measures 1600Pa, while back load measures 2400Pa.

**NOCT**
- Application Class: Class A

**Country of Manufacturer**
- China/Vietnam

### MECHANICAL DIAGRAMS

**Cell**
- Mono

**Weight**
- 22.7kg±3%

**Dimensions**
- 2015±2mm×996±2mm×40±1mm

**Cable Cross Section Size**
- 4mm²

**No. of cells**
- 144 (6×24)

**Cable Length**
- Portrait: 1800mm (+) / 1400mm (-); Landscape: 1200mm (+) / 1200mm (-)

**Cable Connector**
- PV-KBT4/6ll(female), PV-KST4/6ll(male)
- QC4.10

**Connector**
- PV-KBT4/6ll(female), PV-KST4/6ll(male)
- QC4.10

**Country of Manufacturer**
- China/Vietnam

### CHARACTERISTICS

**Current-Voltage Curve**
- JAM72S17-405/MR/1000V

**Power-Voltage Curve**
- JAM72S17-405/MR/1000V

**Current-Voltage Curve**
- JAM72S17-405/MR/1000V

**Premium Cells, Premium Modules**

**Version No.**
- Global_EN_20191008A