Introduction

Assembled with high-efficiency 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.

Higher output power  Lower temperature coefficient
Less shading effect  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°C ~ +65°C
- **Maximum Series Fuse**: 20A
- **Maximum Static Load, Front**: 3600Pa, 1.5
- **Maximum Static Load, Back**: 2400Pa, 1.5
- **Application Class**: Class A
- **NoCT**: 45±2°C

### ELECTRICAL PARAMETERS AT NOCT

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<thead>
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</thead>
<tbody>
<tr>
<td>Rated Maximum Power (Pmax) [W]</td>
<td>281</td>
<td>285</td>
<td>289</td>
<td>292</td>
<td>296</td>
</tr>
<tr>
<td>Open Circuit Voltage (Voc) [V]</td>
<td>44.51</td>
<td>44.80</td>
<td>45.04</td>
<td>45.30</td>
<td>45.56</td>
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<tr>
<td>Maximum Power Voltage (Vmp) [V]</td>
<td>36.81</td>
<td>37.05</td>
<td>37.29</td>
<td>37.52</td>
<td>37.76</td>
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<tr>
<td>Short Circuit Current (Isc) [A]</td>
<td>8.08</td>
<td>8.13</td>
<td>8.18</td>
<td>8.23</td>
<td>8.28</td>
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<tr>
<td>Maximum Power Current (Imp) [A]</td>
<td>7.64</td>
<td>7.69</td>
<td>7.74</td>
<td>7.79</td>
<td>7.84</td>
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<tr>
<td>Module Efficiency [%]</td>
<td>18.9</td>
<td>19.2</td>
<td>19.4</td>
<td>19.7</td>
<td>19.9</td>
</tr>
<tr>
<td>Power Tolerance</td>
<td>0~+5W</td>
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<tr>
<td>Temperature Coefficient of Isc (α_Isc)</td>
<td>+0.051%/°C</td>
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<tr>
<td>Temperature Coefficient of Voc (β_Voc)</td>
<td>-0.289%/°C</td>
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<tr>
<td>Temperature Coefficient of Pmax (γ_Pmp)</td>
<td>-0.350%/°C</td>
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</table>

### CHARACTERISTICS

- **Current-Voltage Curve**
  - JAM72S17-400/PR/1000V
  - Power-Voltage Curve
  - Current-Voltage Curve

### 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)
- **Connector**: PV-KBT4/6ll(female), PV-KST4/6ll(male)
- **QC4.10**
- **Country of Manufacturer**: China/Vietnam
- **PV-KBT4/6ll(female), PV-KST4/6ll(male)**
- **Cable Length (Including Connector)**: Portrait: 300mm(+)/400mm(-); Landscape: 1200mm(+)/1200mm(-)
- **Measurement tolerance at STC**: Pmax ±3%, Voc ±2% and Isc ±4%.
- **Portrait**: 300mm(+)/400mm(-); **Landscape**: 1200mm(+)/1200mm(-)
- **Grounding Holes**: 10 Places
- **Draining holes**: 8 places
- **Mounting holes**: 4 places for NexTracker
- **Mounting Holes**: 8 Places
- **Label**: 35 × 40 mm
- **Grounding Holes**: 10 Places
- **Mounting holes**: 4 places for NexTracker
- **Mounting Holes**: 8 Places

### REMARKS

- Customized frame color and cable length available upon request.