The modules assembled with half cells not only generate more power output, but also perform better during daily operation as a result of lower temperature coefficient of power, along with reduced shading effect on the energy generation, lower risk of hot spot, and enhanced tolerance for mechanical loading.

Introduction

- 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 ~ +85°C
- **Maximum Series Fuse**: 20A
- **Maximum Static Load, Front**: 3600 Pa, 1.5
- **Maximum Static Load, Back**: 1600 Pa, 1.5
- **NOCT**: 45 ± 2°C
- **Application Class**: Class A

**ELECTRICAL PARAMETERS AT NOCT**

<table>
<thead>
<tr>
<th>TYPE</th>
<th>JAP72S03-325/SC/1000V</th>
<th>JAP72S03-330/SC/1000V</th>
<th>JAP72S03-335/SC/1000V</th>
<th>JAP72S03-340/SC/1000V</th>
<th>JAP72S03-345/SC/1000V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated Max Power (Pmax) [W]</td>
<td>241</td>
<td>244</td>
<td>248</td>
<td>252</td>
<td>255</td>
</tr>
<tr>
<td>Open Circuit Voltage (Voc) [V]</td>
<td>43.24</td>
<td>43.41</td>
<td>43.63</td>
<td>43.81</td>
<td>44.03</td>
</tr>
<tr>
<td>Maximum Power Voltage (VmP) [V]</td>
<td>34.82</td>
<td>35.03</td>
<td>35.21</td>
<td>35.42</td>
<td>35.66</td>
</tr>
<tr>
<td>Short Circuit Current (Isc) [A]</td>
<td>7.35</td>
<td>7.40</td>
<td>7.46</td>
<td>7.54</td>
<td>7.61</td>
</tr>
<tr>
<td>Maximum Power Current (Imp) [A]</td>
<td>6.91</td>
<td>6.97</td>
<td>7.04</td>
<td>7.10</td>
<td>7.16</td>
</tr>
<tr>
<td>NOCT</td>
<td>Irradiance 800 W/m², ambient temperature 20°C, wind speed 1 m/s, AM1.5G</td>
<td>Irradiance 800 W/m², ambient temperature 20°C, wind speed 1 m/s, AM1.5G</td>
<td>Irradiance 800 W/m², ambient temperature 20°C, wind speed 1 m/s, AM1.5G</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**CHARACTERISTICS**

- **Current-Voltage Curve**: JAP72S03-340/SC/1000V
- **Power-Voltage Curve**: JAP72S03-340/SC/1000V
- **Current-Voltage Curve**: JAP72S03-340/SC/1000V

**MECHANICAL DIAGRAMS**

- **Cell**: Poly
- **Weight**: 22.5 kg ± 3%
- **Dimensions**: 2000 mm x 991 mm x 40 mm
- **Cable Cross Section Size**: 4 mm²
- **No. of cells**: 144 (6 x 24)
- **Connector**: PV-ZH202, PV-KBT4/6ll (female), PV-KST4/6ll (male)
- **Helios H4, H4 UTx**
- **Country of Manufacturer**: China/Vietnam

**Remark**: customized frame color and cable length available upon request.

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.