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.

**Poly 345W Half-Cell Module**

**JAP72S03 325-345/SC Series**

**Introduction**

**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

**Higher output power**

**Lower temperature coefficient**

**Less shading effect**

**Better mechanical loading tolerance**

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[Graph showing JA Linear Power Warranty and Industry Warranty]
**OPERATING CONDITIONS**

- **Maximum System Voltage**: 1500V DC (IEC)
- **Operating Temperature**: -40°C ~ +85°C
- **Maximum Series Fuse**: 20A
- **Maximum Static Load, Front**: 3600Pa, 45°C
- **Maximum Static Load, Back**: 1600Pa, 45°C
- **NOCT**: 45±2°C
- **Application Class**: Class A

**ELECTRICAL PARAMETERS AT STC**

<table>
<thead>
<tr>
<th>TYPE</th>
<th>JAP72S03-325/SC</th>
<th>JAP72S03-330/SC</th>
<th>JAP72S03-335/SC</th>
<th>JAP72S03-340/SC</th>
<th>JAP72S03-345/SC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated Maximum Power (Pmax) [W]</td>
<td>325</td>
<td>330</td>
<td>335</td>
<td>340</td>
<td>345</td>
</tr>
<tr>
<td>Open Circuit Voltage (Voc) [V]</td>
<td>45.31</td>
<td>45.57</td>
<td>45.80</td>
<td>46.13</td>
<td>46.38</td>
</tr>
<tr>
<td>Maximum Power Voltage (Vmp) [V]</td>
<td>37.48</td>
<td>37.78</td>
<td>37.99</td>
<td>38.25</td>
<td>38.48</td>
</tr>
<tr>
<td>Maximum Power Current (Imp) [A]</td>
<td>8.68</td>
<td>8.74</td>
<td>8.82</td>
<td>8.91</td>
<td>8.97</td>
</tr>
<tr>
<td>Module Efficiency [%]</td>
<td>16.4</td>
<td>16.6</td>
<td>16.9</td>
<td>17.2</td>
<td>17.4</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 (αIsc)</td>
<td>+0.054%/C</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Temperature Coefficient of Voc (βVoc)</td>
<td>-0.300%/C</td>
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<td></td>
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<td></td>
</tr>
<tr>
<td>Temperature Coefficient of Pmax (γPmax)</td>
<td>-0.370%/C</td>
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<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

STC: Irradiance 1000W/m², cell temperature 25°C, AM1.5G

**ELECTRICAL PARAMETERS AT NOCT**

<table>
<thead>
<tr>
<th>TYPE</th>
<th>JAP72S03-325/SC</th>
<th>JAP72S03-330/SC</th>
<th>JAP72S03-335/SC</th>
<th>JAP72S03-340/SC</th>
<th>JAP72S03-345/SC</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>Max 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>Max 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>
</tbody>
</table>

**NOCT**

- Irradiance 800W/m², ambient temperature 20°C, wind speed 1m/s, AM1.5G

**CHARACTERISTICS**

- Current-Voltage Curve: JAP72S03-340/SC
- Power-Voltage Curve: JAP72S03-340/SC
- Current-Voltage Curve: JAP72S03-340/SC

**SPECIFICATIONS**

- **Cell**: Poly
- **Weight**: 22.5kg±3%
- **Dimensions**: 2000mm×991mm×40mm
- **Cable Cross Section Size**: 4mm²
- **No. of cells**: 144 (6x24)
- **Connector**: PV-ZH202B, PV-KST4-EV02/xy, PV-KBT4-EV02/xy, QC4.10-35/45, TL-Cable01S-F, UTXCF4AM, UTXCM4AM
- **Country of Manufacturer**: China/Vietnam

**MECHANICAL DIAGRAMS**

- **Cell Weight**: 22.5kg±3%
- **Dimensions**: 2000mm×991mm×40mm
- **Cable Cross Section Size**: 4mm²
- **No. of cells**: 144 (6x24)

**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.

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