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 350W Half-Cell Module**

JAP72S10 330-350/SC/1000V Series

**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

**JA Linear Power Warranty**

**Industry Warranty**
## OPERATING CONDITIONS

- **Maximum System Voltage**: 1000V DC (IEC)
- **Operating Temperature**: -40°C ~ +85°C
- **Maximum Series Fuse**: 20A
- **Maximum Static Load, Front***: 2400Pa
- **Maximum Static Load, Back***: 2400Pa
- **NOCT**: 45±2°C
- **Application Class**: Class A

### ELECTRICAL PARAMETERS AT NOCT

<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>Rated Maximum Power(Pmax) [W]</td>
<td>330</td>
<td>335</td>
<td>340</td>
<td>345</td>
<td>350</td>
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<tr>
<td>Open Circuit Voltage(Voc) [V]</td>
<td>45.54</td>
<td>45.73</td>
<td>45.89</td>
<td>46.07</td>
<td>46.27</td>
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<tr>
<td>Maximum Power Voltage(Vmp) [V]</td>
<td>37.72</td>
<td>37.90</td>
<td>38.08</td>
<td>38.25</td>
<td>38.43</td>
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<tr>
<td>Maximum Power Current(Imp) [A]</td>
<td>8.75</td>
<td>8.84</td>
<td>8.93</td>
<td>9.02</td>
<td>9.11</td>
</tr>
<tr>
<td>Module Efficiency [%]</td>
<td>16.4</td>
<td>16.7</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>
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</tr>
<tr>
<td>Temperature Coefficient of Isc(α_Isc)</td>
<td>+0.054%/°C</td>
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</tr>
<tr>
<td>Temperature Coefficient of Voc(β_Voc)</td>
<td>-0.300%/°C</td>
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<tr>
<td>Temperature Coefficient of Pmax(γ_Pmp)</td>
<td>-0.370%/°C</td>
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</tr>
</tbody>
</table>

### ELECTRICAL PARAMETERS AT STC

- **Irradiance**: 1000W/m², cell temperature 25°C, AM1.5G
- **Measurement tolerance at STC**: Pmax ±3 %, Voc ±2% and Isc ±4%

### OPERATING CONDITIONS

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

### CHARACTERISTICS

- **Current-Voltage Curve**: JAP72S10-340/SC/1000V
- **Power-Voltage Curve**: JAP72S10-340/SC/1000V
- **Current-Voltage Curve**: JAP72S10-340/SC/1000V

**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.