Poly

295W Half-Cell Module
JAP60S10 275-295/SC/1500V

Introduction
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.

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

100% 97.6% 90% 80%
1 5 10 15 20 25 years

JA Linear Power Warranty  Industry Warranty
### OPERATING CONDITIONS

- **Maximum System Voltage**: 1500V 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

### MECHANICAL DIAGRAMS

#### SPECIFICATIONS

<table>
<thead>
<tr>
<th>Type</th>
<th>Poly</th>
<th>Cell</th>
<th>Weight</th>
<th>Dimensions</th>
<th>Cable Cross Section Size</th>
<th>No. of cells</th>
<th>Connector</th>
<th>Country of Manufacturer</th>
</tr>
</thead>
<tbody>
<tr>
<td>JAP60S10</td>
<td></td>
<td></td>
<td>18.7kg±3%</td>
<td>1689±2mm×996±2mm×35±1mm</td>
<td>4mm²</td>
<td>120 (6×20)</td>
<td>PV-ZH202B, PV-KST4-EV02/xy, PV-KBT4-EV02/xy</td>
<td>China/Vietnam</td>
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#### ELECTRICAL PARAMETERS AT STC

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<tr>
<th>Type</th>
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<tbody>
<tr>
<td>-275/SC/1500V</td>
<td>275</td>
<td>280</td>
<td>285</td>
<td>290</td>
<td>295</td>
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- **Rated Maximum Power (Pmax) [W]**
- **Open Circuit Voltage (Voc) [V]**
- **Maximum Power Voltage (Vmp) [V]**
- **Short Circuit Current (Isc) [A]**
- **Maximum Power Current (Imp) [A]**
- **Module Efficiency [%]**
- **Power Tolerance**
- **Temperature Coefficient of Isc (α_Isc) %/°C**
- **Temperature Coefficient of Voc (β_Voc) %/°C**
- **Temperature Coefficient of Pmax (γ_Pmp) %/°C**
- **STC Irradiance 1000W/m², cell temperature 25°C, AM1.5G**

#### CHARACTERISTICS

- **Current-Voltage Curve**: JAP60S10-285/SC/1500V
- **Power-Voltage Curve**: JAP60S10-285/SC/1500V
- **Current-Voltage Curve**: JAP60S10-285/SC/1500V

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. Measurement tolerance at STC: Pmax ±3%, Voc ±2% and Isc ±4%.

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