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.

**Introduction**

**340W PERC Half-Cell Module**

JAM60S10 320-340/PR/1500V Series

**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**
**OPERATING CONDITIONS**

- **Maximum System Voltage**: 1500V DC (IEC)
- **Operating Temperature**: -40°C to +65°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**

JAM60S10-330/PR/1500V

**Power-Voltage Curve**

JAM60S10-330/PR/1500V

**Current-Voltage Curve**

JAM60S10-330/PR/1500V

**MECHANICAL DIAGRAMS**

**SPECIFICATIONS**

- **Cell**: Mono
- **Weight**: 18.7kg±3%
- **Dimensions**: 1689±2mm x 996±2mm x 35±1mm
- **Cable Cross Section Size**: 4mm²
- **No. of cells**: 120(6×20)
- **Connector**: Genuine MC4-EVO2 QC4.10-35/45
- **Country of Manufacturer**: China/Vietnam

**ELECTRICAL PARAMETERS AT STC**

<table>
<thead>
<tr>
<th>TYPE</th>
<th>JAM60S10 -320/PR/1500V</th>
<th>JAM60S10 -325/PR/1500V</th>
<th>JAM60S10 -330/PR/1500V</th>
<th>JAM60S10 -335/PR/1500V</th>
<th>JAM60S10 -340/PR/1500V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated Maximum Power (Pmax) [W]</td>
<td>320</td>
<td>325</td>
<td>330</td>
<td>335</td>
<td>340</td>
</tr>
<tr>
<td>Open Circuit Voltage (Voc) [V]</td>
<td>40.27</td>
<td>40.56</td>
<td>40.84</td>
<td>41.12</td>
<td>41.36</td>
</tr>
<tr>
<td>Maximum Power Voltage (Vmp) [V]</td>
<td>33.62</td>
<td>33.87</td>
<td>34.13</td>
<td>34.36</td>
<td>34.63</td>
</tr>
<tr>
<td>Short Circuit Current (Isc) [A]</td>
<td>10.16</td>
<td>10.23</td>
<td>10.30</td>
<td>10.38</td>
<td>10.46</td>
</tr>
<tr>
<td>Module Efficiency [%]</td>
<td>19.0</td>
<td>19.3</td>
<td>19.6</td>
<td>19.9</td>
<td>20.2</td>
</tr>
</tbody>
</table>

**Power Tolerance**

0~+5W, Irradiance 1000W/m², cell temperature 25°C, AM1.5G

**Operating Parameters**

- **Temperature Coefficient of Isc(α_Isc)**: +0.051%/°C
- **Temperature Coefficient of Voc(β_Voc)**: -0.289%/°C
- **Temperature Coefficient of Pmax(γ_Pmp)**: -0.350%/°C

**STC**

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

**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%.

**ELECTRICAL PARAMETERS AT NOCT**

<table>
<thead>
<tr>
<th>TYPE</th>
<th>JAM60S10 -320/PR/1500V</th>
<th>JAM60S10 -325/PR/1500V</th>
<th>JAM60S10 -330/PR/1500V</th>
<th>JAM60S10 -335/PR/1500V</th>
<th>JAM60S10 -340/PR/1500V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated Max Power (Pmax) [W]</td>
<td>237</td>
<td>241</td>
<td>244</td>
<td>248</td>
<td>252</td>
</tr>
<tr>
<td>Open Circuit Voltage (Voc) [V]</td>
<td>37.15</td>
<td>37.38</td>
<td>37.65</td>
<td>37.93</td>
<td>38.18</td>
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<tr>
<td>Max Power Voltage (Vmp) [V]</td>
<td>33.54</td>
<td>33.82</td>
<td>34.10</td>
<td>34.38</td>
<td>34.38</td>
</tr>
<tr>
<td>Short Circuit Current (Isc) [A]</td>
<td>8.14</td>
<td>8.20</td>
<td>8.25</td>
<td>8.30</td>
<td>8.36</td>
</tr>
<tr>
<td>Max Power Current (Imp) [A]</td>
<td>7.11</td>
<td>7.17</td>
<td>7.22</td>
<td>7.27</td>
<td>7.32</td>
</tr>
</tbody>
</table>

**NOCT**

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

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