Assembled with multi-busbar 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**

- Higher output power
- Lower LCOE
- Less shading and lower resistive loss
- 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
- IEC TS 62941: 2016 Terrestrial photovoltaic (PV) modules – Guidelines for increased confidence in PV module design qualification and type approval
JAM60S10 320-340/MR Series

### OPERATING CONDITIONS

- Maximum System Voltage: 1000V/1500V DC (IEC)
- Operating Temperature: -40°C to +85°C
- Maximum Series Fuse: 20A
- No. of cells: 120 (6 x 20)
- Junction Box: IP68, 3 diodes
- Connector: QC 4.10-35
- Cable Length (Including Connector): Portrait: 300mm (+)/400mm (-); Landscape: 1000mm (+)/1000mm (-)
- Packaging Configuration: 30 Per Pallet

### ELECTRICAL PARAMETERS AT STC

<table>
<thead>
<tr>
<th>TYPE</th>
<th>JAM60S10</th>
<th>JAM60S10</th>
<th>JAM60S10</th>
<th>JAM60S10</th>
<th>JAM60S10</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>40.60</td>
<td>40.87</td>
<td>41.08</td>
<td>41.32</td>
<td>41.55</td>
</tr>
<tr>
<td>Maximum Power Voltage (Vmp) [V]</td>
<td>33.73</td>
<td>33.97</td>
<td>34.24</td>
<td>34.48</td>
<td>34.73</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>
<tr>
<td>Power Tolerance</td>
<td>0~+5W</td>
<td>0~+5W</td>
<td>0~+5W</td>
<td>0~+5W</td>
<td>0~+5W</td>
</tr>
<tr>
<td>Temperature Coefficient of Isc (αIsc)</td>
<td>+0.044%/°C</td>
<td>+0.044%/°C</td>
<td>+0.044%/°C</td>
<td>+0.044%/°C</td>
<td>+0.044%/°C</td>
</tr>
<tr>
<td>Temperature Coefficient of Voc (βVoc)</td>
<td>-0.272%/°C</td>
<td>-0.272%/°C</td>
<td>-0.272%/°C</td>
<td>-0.272%/°C</td>
<td>-0.272%/°C</td>
</tr>
<tr>
<td>Temperature Coefficient of Pmax (γPmp)</td>
<td>-0.350%/°C</td>
<td>-0.350%/°C</td>
<td>-0.350%/°C</td>
<td>-0.350%/°C</td>
<td>-0.350%/°C</td>
</tr>
<tr>
<td>STC Irradiance 1000W/m², cell temperature 25°C, AM1.5G</td>
<td></td>
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<td></td>
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</tr>
</tbody>
</table>

### ELECTRICAL PARAMETERS AT NOCT

- Maximum System Voltage: 1000V/1500V DC (IEC)
- Operating Temperature: -40°C to +85°C
- Maximum Series Fuse: 20A
- Maximum Static Load, Front: 5400Pa
- Maximum Static Load, Back: 2400Pa
- NOCT: 45±2°C
- Application Class: Class A

### CHARACTERISTICS

**Current-Voltage Curve** JAM60S10-335/MR

- Maximum Power Voltage (Vmp): 320W
- Short Circuit Current (Isc): 9.49A
- Module Efficiency: 19.0%

**Power-Voltage Curve** JAM60S10-335/MR

- Maximum Power Voltage (Vmp): 320W
- Short Circuit Current (Isc): 9.49A
- Module Efficiency: 19.0%

**Current-Voltage Curve** JAM60S10-335/MR

- Maximum Power Voltage (Vmp): 320W
- Short Circuit Current (Isc): 9.49A
- Module Efficiency: 19.0%