310W PERC Module
JAM60S01 285-310/PR/1000V Series

Introduction
Powered by high-efficiency PERCIUM cells, this series of high-performance modules provides the most cost-effective solution for lowering the LCOE of any PV systems large or small.

5 busbar solar cell design
Higher output power

Excellent low-light performance
Lower temperature coefficient

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%
90%
80%

1 5 10 16 20 25 year
JA Linear Power Warranty   Industry Warranty
### OPERATING CONDITIONS

- **Maximum System Voltage**: 1000V 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

### ELECTRICAL PARAMETERS AT STC

<table>
<thead>
<tr>
<th>Type</th>
<th>JAM60S01-285/PR/1000V</th>
<th>JAM60S01-290/PR/1000V</th>
<th>JAM60S01-295/PR/1000V</th>
<th>JAM60S01-300/PR/1000V</th>
<th>JAM60S01-305/PR/1000V</th>
<th>JAM60S01-310/PR/1000V</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Rated Maximum Power (Pmax) [W]</strong></td>
<td>285</td>
<td>290</td>
<td>295</td>
<td>300</td>
<td>305</td>
<td>310</td>
</tr>
<tr>
<td><strong>Open Circuit Voltage (Voc) [V]</strong></td>
<td>39.25</td>
<td>39.46</td>
<td>39.64</td>
<td>39.85</td>
<td>40.05</td>
<td>40.30</td>
</tr>
<tr>
<td><strong>Maximum Power Voltage (Vmp) [V]</strong></td>
<td>31.70</td>
<td>31.80</td>
<td>32.03</td>
<td>32.26</td>
<td>32.57</td>
<td>32.84</td>
</tr>
<tr>
<td><strong>Short Circuit Current (Isc) [A]</strong></td>
<td>9.46</td>
<td>9.57</td>
<td>9.66</td>
<td>9.75</td>
<td>9.85</td>
<td>9.91</td>
</tr>
<tr>
<td><strong>Module Efficiency [%]</strong></td>
<td>17.4</td>
<td>17.7</td>
<td>18.0</td>
<td>18.3</td>
<td>18.7</td>
<td>19.0</td>
</tr>
<tr>
<td><strong>Power Tolerance</strong></td>
<td>0~+5W</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Temperature Coefficient of Isc (α_Isc)</strong></td>
<td>+0.060%/°C</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Temperature Coefficient of Voc (β_Voc)</strong></td>
<td>-0.300%/°C</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Temperature Coefficient of Pmax (γ_Pmp)</strong></td>
<td>-0.380%/°C</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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.

### CHARACTERISTICS

- **Current-Voltage Curve**: JAM60S01-300/PR/1000V
- **Power-Voltage Curve**: JAM60S01-300/PR/1000V
- **Current-Voltage Curve**: JAM60S01-300/PR/1000V

**Premium Cells, Premium Modules**

Version No.: Global_EN_20180806A