**410W PERC Half-Cell Module**

**JAM72S10 390-410/PR/1500V Series**

**Introduction**

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.

- **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

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**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
**OPERATING CONDITIONS**

<table>
<thead>
<tr>
<th>TYPE</th>
<th>JAM72S10-390/PR/1500V</th>
<th>JAM72S10-395/PR/1500V</th>
<th>JAM72S10-400/PR/1500V</th>
<th>JAM72S10-405/PR/1500V</th>
<th>JAM72S10-410/PR/1500V</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated Maximum Power (Pmax) [W]</td>
<td>390</td>
<td>395</td>
<td>400</td>
<td>405</td>
<td>410</td>
</tr>
<tr>
<td>Open Circuit Voltage (Voc) [V]</td>
<td>48.91</td>
<td>49.21</td>
<td>49.50</td>
<td>49.81</td>
<td>50.12</td>
</tr>
<tr>
<td>Maximum Power Voltage (Vmp) [V]</td>
<td>40.55</td>
<td>40.85</td>
<td>41.17</td>
<td>41.46</td>
<td>41.76</td>
</tr>
<tr>
<td>Short Circuit Current (Isc) [A]</td>
<td>10.16</td>
<td>10.21</td>
<td>10.26</td>
<td>10.32</td>
<td>10.37</td>
</tr>
<tr>
<td>Module Efficiency [%]</td>
<td>19.4</td>
<td>19.7</td>
<td>19.9</td>
<td>20.2</td>
<td>20.4</td>
</tr>
</tbody>
</table>

**ELECTRICAL PARAMETERS AT STC**

- **Type**: JAM72S10-390/PR/1500V, JAM72S10-395/PR/1500V, JAM72S10-400/PR/1500V, JAM72S10-405/PR/1500V, JAM72S10-410/PR/1500V
- **Rated Maximum Power (Pmax) [W]**: 390, 395, 400, 405, 410
- **Open Circuit Voltage (Voc) [V]**: 48.91, 49.21, 49.50, 49.81, 50.12
- **Maximum Power Voltage (Vmp) [V]**: 40.55, 40.85, 41.17, 41.46, 41.76
- **Short Circuit Current (Isc) [A]**: 10.16, 10.21, 10.26, 10.32, 10.37
- **Maximum Power Current (Imp) [A]**: 9.62, 9.67, 9.72, 9.77, 9.82
- **Module Efficiency [%]**: 19.4, 19.7, 19.9, 20.2, 20.4

**CHARACTERISTICS**

- **Current-Voltage Curve**: JAM72S10-400/PR/1500V
- **Power-Voltage Curve**: JAM72S10-400/PR/1500V
- **Current-Voltage Curve**: JAM72S10-400/PR/1500V

**SPECIFICATIONS**

- **Type**: Mono
- **Weight**: 22.7 kg ± 3%
- **Dimensions**: 2015 ± 2 mm × 996 ± 2 mm × 40 ± 1 mm
- **Cable Cross Section Size**: 4 mm²
- **No. of cells**: 144 (6 × 24)
- **Cable Length (Including Connector)**: Portrait: 300 mm (+)/400 mm (-); Landscape: 1200 mm (+)/1200 mm (-)
- **Connector**: Genuine MC4-EVO2
- **Country of Manufacturer**: China/Vietnam

**MECHANICAL DIAGRAMS**

- **Cell**: Mono
- **Dimensions**: 2015 ± 2 mm × 996 ± 2 mm × 40 ± 1 mm
- **Cable Cross Section Size**: 4 mm²
- **No. of cells**: 144 (6 × 24)

**MECHANICAL PARAMETERS**

- **Mounting Holes**: 8 Places
- **Grounding Holes**: 10 Places
- **Label**: 35
- **Draining holes**: 8 Places

**REMINDERS**

- 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 %
- For NexTracker installations static loading performance: front load measures 2400 Pa, while back load measures 2400 Pa.