STAVE™ II
330W~345W
5BB-Polycrystalline PV Module
CHSM6612P Series
CHSM6612P/HV Series
CHSM6612P max system voltage 1000V standard
CHSM6612P/HV max system voltage 1500V standard

10-year Warranty for Materials and Processing
25-year Warranty for Extra Linear Power Output
(1st year ≤ 2.5%, 2nd~25th years ≤ 0.7% / year)

97.50%

KEY FEATURES

OUTPUT POSITIVE TOLERANCE
Guaranteed 0~+5W positive tolerance ensures power output reliability.

INNOVATIONAL 5-BUSBAR CELLS
Reduces the cell series resistance and internal stress, decreases the risk of micro-crack and improves the module output.

INNOVATIVE PERC CELL TECHNOLOGY
Excellent cell efficiency and output.

EXCELLENT MECHANICAL LOAD CAPABILITY
Certified to withstand: snow load (6000 Pa) and wind load (3600 Pa).

HIGHER RELIABILITY AND DURABILITY
Effectively deals with harsh environments, such as sand, salt mist and ammonia resistance.

PASSED HAIL TEST
Certified to hail resistance: ice ball size (d=45mm) and ice ball velocity (v=30.7m/s).

PID RESISTANCE
Excellent PID resistance at 96 hours (@85°C /85%) test, and also can be improved to meet higher standards for the particularly harsh environment.

COMPREHENSIVE CERTIFICATES

First solar company which passed the TUV Nord IEC/TS 62941 certification audit.
**ELECTRICAL SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Parameters</th>
<th>STC</th>
<th>NOCT</th>
</tr>
</thead>
<tbody>
<tr>
<td>STC rated output ($P_{mpp}$)*</td>
<td>330 Wp</td>
<td>230.4 Wp</td>
</tr>
<tr>
<td>Rated voltage ($V_{mpp}$) at STC</td>
<td>37.15 V</td>
<td>33.92 V</td>
</tr>
<tr>
<td>Rated current ($I_{mpp}$) at STC</td>
<td>8.89 A</td>
<td>6.79 A</td>
</tr>
<tr>
<td>Open circuit voltage ($V_{oc}$) at STC</td>
<td>45.86 V</td>
<td>42.08 V</td>
</tr>
<tr>
<td>Short circuit current ($I_{sc}$) at STC</td>
<td>9.52 A</td>
<td>7.37 A</td>
</tr>
<tr>
<td>Module efficiency</td>
<td>17.1%</td>
<td>17.1%</td>
</tr>
<tr>
<td>Rated output ($P_{mpp}$) at NOCT</td>
<td>340 Wp</td>
<td>240.9 Wp</td>
</tr>
<tr>
<td>Rated voltage ($V_{mpp}$) at NOCT</td>
<td>37.33 V</td>
<td>34.15 V</td>
</tr>
<tr>
<td>Rated current ($I_{mpp}$) at NOCT</td>
<td>9.11 A</td>
<td>7.05 A</td>
</tr>
<tr>
<td>Open circuit voltage ($V_{oc}$) at NOCT</td>
<td>46.16 V</td>
<td>42.36 V</td>
</tr>
<tr>
<td>Short circuit current ($I_{sc}$) at NOCT</td>
<td>9.62 A</td>
<td>7.44 A</td>
</tr>
<tr>
<td>Temperature coefficient ($P_{mpp}$)</td>
<td>-0.408%/°C</td>
<td>-0.311%/°C</td>
</tr>
<tr>
<td>Temperature coefficient ($I_{sc}$)</td>
<td>+0.050%/°C</td>
<td></td>
</tr>
<tr>
<td>Normal operating cell temperature (NOCT)</td>
<td>46±2°C</td>
<td></td>
</tr>
<tr>
<td>Maximum system voltage (IEC/UL)</td>
<td>1000VDC or 1500VDC</td>
<td></td>
</tr>
<tr>
<td>Number of diodes</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Junction box IP rating</td>
<td>IP 67</td>
<td></td>
</tr>
<tr>
<td>Maximum series fuse rating</td>
<td>15 A</td>
<td></td>
</tr>
</tbody>
</table>

* Measurement tolerance +/- 3%

STC: Irradiance 1000W/m², Cell Temperature 25°C, AM=1.5
NOCT: Irradiance 800W/m², Ambient Temperature 20°C, AM=1.5, Wind Speed 1m/s

**MECHANICAL SPECIFICATIONS**

- Outer dimensions (L x W x H): 1954 x 990 x 40 mm (76.93 x 38.98 x 1.57 in)
- Frame technology: Aluminum, silver anodized
- Module composition: Glass / EVA / Backsheet (white)
- Front glass thickness: 3.2 mm / 0.13 in
- **Diagram:**

**MODULE DIMENSION DETAILS**

- **Diagram:**

**PACKING SPECIFICATIONS**

- Weight (module only): 21.8 kg / 48.06 lbs
- **Diagram:**

- Packing unit: 27 pcs / box
- Weight of packing unit (for 40'HQ container): 646 kg / 1424 lbs
- Number of modules per 40'HQ container: 648 pcs

**CURVE**

**Diagram:**

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