STAVE™ II
275W~290W
5BB-Polycrystalline PV Module
CHSM6610P Series
CHSM6610P/HV Series
CHSM6610P max system voltage 1000V standard
CHSM6610P/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.
- Innovative 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.

Optional: Black frame designed for the certain projects and applications (e.g. residential rooftop and so on)

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

- **Outer dimensions (L x W x H)**: 1648 x 990 x 35 mm
  - 64.88 x 38.98 x 1.38 in
- **Frame technology**: Aluminum, silver anodized
- **Module composition**: Glass / EVA / Backsheet (white)
- **Front glass thickness**: 3.2 mm / 0.13 in
- **Cable length (IEC/UL)**: 900 mm / 35.43 in
- **Cable diameter (IEC/UL)**: 4 mm² / 12 AWG
- **Maximum mechanical test load**: 6000 Pa
- **Fire performance (IEC/UL)**: Class C (IEC) or Type 1 (UL)
- **Connector type (IEC/UL)**: MC4 compatible

**Electrical Specifications**

<table>
<thead>
<tr>
<th>STC rated output (Pmpp)*</th>
<th>275 Wp</th>
<th>280 Wp</th>
<th>285 Wp</th>
<th>290 Wp</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated voltage (Vmpp) at STC</td>
<td>31.12 V</td>
<td>31.20 V</td>
<td>31.38 V</td>
<td>31.55 V</td>
</tr>
<tr>
<td>Rated current (Impp) at STC</td>
<td>8.85 A</td>
<td>8.99 A</td>
<td>9.09 A</td>
<td>9.20 A</td>
</tr>
<tr>
<td>Open circuit voltage (Voc) at STC</td>
<td>38.45 V</td>
<td>38.69 V</td>
<td>38.94 V</td>
<td>39.18 V</td>
</tr>
<tr>
<td>Short circuit current (Imp) at STC</td>
<td>9.52 A</td>
<td>9.59 A</td>
<td>9.68 A</td>
<td>9.75 A</td>
</tr>
<tr>
<td>Module efficiency</td>
<td>16.9%</td>
<td>17.2%</td>
<td>17.5%</td>
<td>17.8%</td>
</tr>
<tr>
<td>Rated output (Pmp) at NOCT</td>
<td>206.3 W</td>
<td>210.0 W</td>
<td>213.8 W</td>
<td>217.5 W</td>
</tr>
<tr>
<td>Rated voltage (Vmp) at NOCT</td>
<td>28.15 V</td>
<td>28.22 V</td>
<td>28.41 V</td>
<td>28.56 V</td>
</tr>
<tr>
<td>Rated current (Imp) at NOCT</td>
<td>7.33 A</td>
<td>7.44 A</td>
<td>7.52 A</td>
<td>7.62 A</td>
</tr>
<tr>
<td>Open circuit voltage (Voc) at NOCT</td>
<td>35.13 V</td>
<td>35.35 V</td>
<td>35.57 V</td>
<td>35.79 V</td>
</tr>
<tr>
<td>Short circuit current (Imp) at NOCT</td>
<td>8.02 A</td>
<td>8.08 A</td>
<td>8.15 A</td>
<td>8.21 A</td>
</tr>
</tbody>
</table>

* Measurement tolerance +/- 3%

**Packing Specifications**

- **Weight (module only)**: 18.3 kg / 40.34 lbs
- **Packing unit**: 31 pcs / box
- **Weight of packing unit (for 40’HQ container)**: 616 kg / 1358 lbs
- **Number of modules per 40’HQ container**: 868 pcs

* Tolerance +/- 1.0 kg

**Subject to sales contract**

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