STAVE™
255W~275W
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.

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

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.

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).

LOW-LIGHT IRRADIANCE
With the deep textured ARC glass and cell surface texturing process, achieve the excellent performance at the haze, cloudy days and other low light conditions.

COMPREHENSIVE CERTIFICATES

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

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

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<thead>
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</thead>
<tbody>
<tr>
<td>STC rated output ($P_{mpp}$)*</td>
<td>255 Wp</td>
<td>260 Wp</td>
<td>265 Wp</td>
<td>270 Wp</td>
<td>275 Wp</td>
</tr>
<tr>
<td>Rated voltage ($V_{mpp}$) at STC</td>
<td>30.66 V</td>
<td>30.88 V</td>
<td>30.92 V</td>
<td>31.08 V</td>
<td>31.12 V</td>
</tr>
<tr>
<td>Rated current ($I_{mpp}$) at STC</td>
<td>8.33 A</td>
<td>8.43 A</td>
<td>8.58 A</td>
<td>8.70 A</td>
<td>8.85 A</td>
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<tr>
<td>Open circuit voltage ($V_{oc}$) at STC</td>
<td>37.48 V</td>
<td>37.72 V</td>
<td>37.87 V</td>
<td>38.00 V</td>
<td>38.45 V</td>
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<tr>
<td>Short circuit current ($I_{sc}$) at STC</td>
<td>8.85 A</td>
<td>8.95 A</td>
<td>9.18 A</td>
<td>9.45 A</td>
<td>9.52 A</td>
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<tr>
<td>Module efficiency</td>
<td>15.6%</td>
<td>15.9%</td>
<td>16.2%</td>
<td>16.5%</td>
<td>16.9%</td>
</tr>
<tr>
<td>Rated output ($P_{mpp}$) at NOCT</td>
<td>191.3 Wp</td>
<td>195.0 Wp</td>
<td>198.8 Wp</td>
<td>202.5 Wp</td>
<td>206.3 Wp</td>
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<tr>
<td>Rated voltage ($V_{mpp}$) at NOCT</td>
<td>27.73 V</td>
<td>27.94 V</td>
<td>27.98 V</td>
<td>28.12 V</td>
<td>28.15 V</td>
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<tr>
<td>Rated current ($I_{mpp}$) at NOCT</td>
<td>6.90 A</td>
<td>6.98 A</td>
<td>7.10 A</td>
<td>7.20 A</td>
<td>7.33 A</td>
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<tr>
<td>Open circuit voltage ($V_{oc}$) at NOCT</td>
<td>34.24 V</td>
<td>34.46 V</td>
<td>34.60 V</td>
<td>34.71 V</td>
<td>35.13 V</td>
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<tr>
<td>Short circuit current ($I_{sc}$) at NOCT</td>
<td>7.45 A</td>
<td>7.54 A</td>
<td>7.73 A</td>
<td>7.96 A</td>
<td>8.02 A</td>
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<tr>
<td>Temperature coefficient ($P_{mpp}$)</td>
<td>-0.407%/°C</td>
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<tr>
<td>Temperature coefficient ($I_{sc}$)</td>
<td>+0.049%/°C</td>
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<tr>
<td>Temperature coefficient ($V_{oc}$)</td>
<td>-0.310%/°C</td>
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<tr>
<td>Normal operating cell temperature (NOCT)</td>
<td>43±2°C</td>
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<tr>
<td>Maximum system voltage (IEC/UL)</td>
<td>1000Vdc or 1500Vdc</td>
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<tr>
<td>Number of diodes</td>
<td>3</td>
<td></td>
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<tr>
<td>Junction box IP rating</td>
<td>IP 67</td>
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<tr>
<td>Maximum series fuse rating</td>
<td>15 A</td>
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</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):** 1648 x 990 x 35 mm (64.88 x 38.98 x 1.38 in)
- **Frame technology:** Aluminum, silver / black 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
- **Weight (module only):** 18.3 kg / 40.34 lbs
- **Weight of packing unit (for 40’ HQ container):** 616 kg / 1358 lbs
- **Number of modules per 40’ HQ container:** 868 pcs

### MODULE DIMENSION DETAILS

- **Drainage hole:** 6-7 mm x 11.5 mm / 0.023 feet x 0.038 feet
- **Mounting hole:** 900 mm / 2.95 feet
- **Ground hole:** 6-9.5 mm / 0.026 inches
- **Cable length:** 18.5 mm / 0.73 inches
- **Cable diameter:** 7 mm / 0.27 inches

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