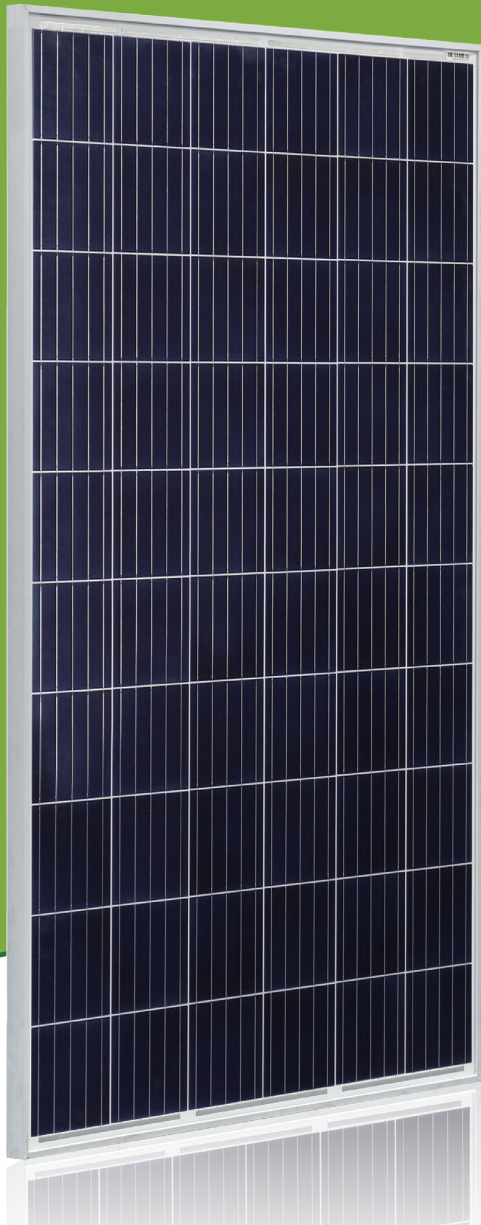


For Global Market



STAVE™ II 275W~290W

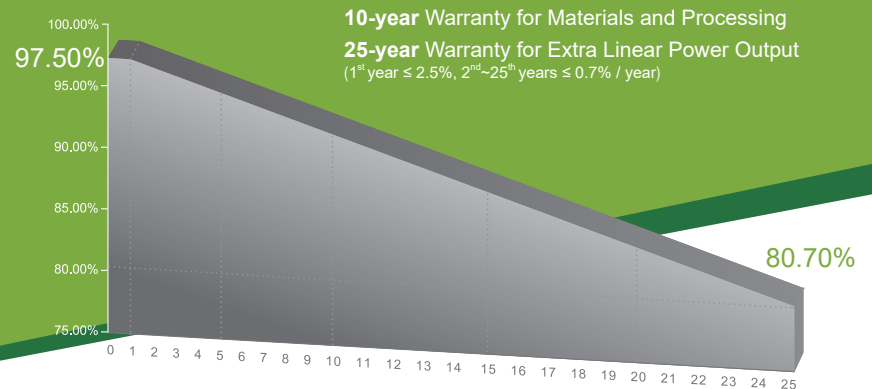
5BB-Polycrystalline PV Module

Baseline CHSM6610P Series

Baseline CHSM6610P/HV Series

CHSM6610P max system voltage 1000V standard

CHSM6610P/HV max system voltage 1500V standard



COMPREHENSIVE CERTIFICATES



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

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).
- Anti 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.



ELECTRICAL SPECIFICATIONS

| | | | | |
|--|--|----------|----------|----------|
| STC rated output (P_{mpp})* | 275 Wp | 280 Wp | 285 Wp | 290 Wp |
| Rated voltage (V_{mpp}) at STC | 31.12 V | 31.20 V | 31.38 V | 31.55 V |
| Rated current (I_{mpp}) at STC | 8.85 A | 8.99 A | 9.09 A | 9.20 A |
| Open circuit voltage (V_{oc}) at STC | 38.45 V | 38.69 V | 38.94 V | 39.18 V |
| Short circuit current (I_{sc}) at STC | 9.52 A | 9.59 A | 9.68 A | 9.75 A |
| Module efficiency | 16.9% | 17.2% | 17.5% | 17.8% |
| Rated output (P_{mpp}) at NOCT | 206.3 Wp | 210.0 Wp | 213.8 Wp | 217.5 Wp |
| Rated voltage (V_{mpp}) at NOCT | 28.15 V | 28.22 V | 28.41 V | 28.56 V |
| Rated current (I_{mpp}) at NOCT | 7.33 A | 7.44 A | 7.52 A | 7.62 A |
| Open circuit voltage (V_{oc}) at NOCT | 35.13 V | 35.35 V | 35.57 V | 35.79 V |
| Short circuit current (I_{sc}) at NOCT | 8.02 A | 8.08 A | 8.15 A | 8.21 A |
| Temperature coefficient (P_{mpp}) | - 0.407%/°C | | | |
| Temperature coefficient (I_{sc}) | +0.049%/°C | | | |
| Temperature coefficient (V_{oc}) | - 0.310%/°C | | | |
| Normal operating cell temperature (NOCT) | 43±2°C | | | |
| Maximum system voltage (IEC/UL) | 1000V _{DC} or 1500V _{DC} | | | |
| Number of diodes | 3 | | | |
| Junction box IP rating | IP 67 | | | |
| Maximum series fuse rating | 15 A | | | |

* 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

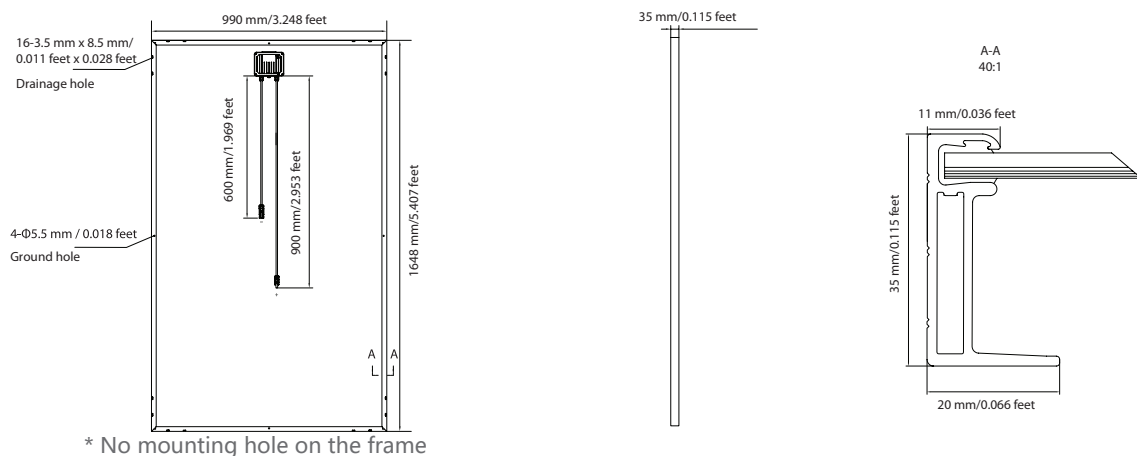
MECHANICAL SPECIFICATIONS

| | |
|--------------------------------|---|
| 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 anodized |
| Module composition | Glass / EVA / Backsheet (white) |
| Front glass thickness | 3.2 mm / 0.13 in |
| ① Cable length (IEC/UL) | 900(+)/600(-) mm /35.43/23.62 in |
| Cable diameter (IEC/UL) | 4 mm ² / 12 AWG |
| ② Maximum mechanical test load | 6000 Pa |
| Fire performance (IEC/UL) | Class C (IEC) or Type 1 (UL) |
| Connector type (IEC/UL) | MC4 compatible |

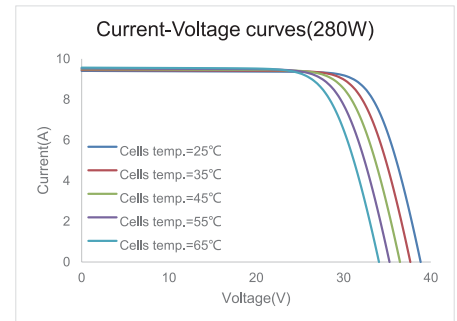
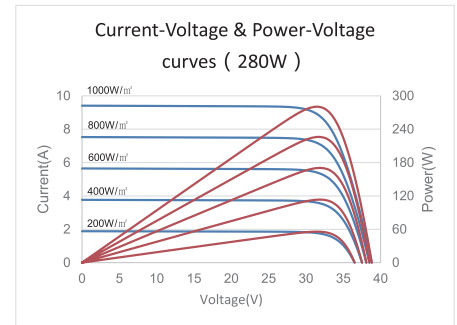
① Option: 900 mm or 1000 mm for defined projects in advance.

② Refer to Astronergy crystalline installation manual or contact technical department.
Maximum Mechanical Test Load=1.5×Maximum Mechanical Design Load.

MODULE DIMENSION DETAILS



CURVE



PACKING SPECIFICATIONS

| | |
|--|---------------------|
| ① Weight (module only) | 17.9 kg / 39.46 lbs |
| ② Packing unit | 31 pcs / box |
| Weight of packing unit (for 40'HQ container) | 604 kg / 1331 lbs |
| Number of modules per 40'HQ container | 868 pcs |

① Tolerance +/- 1.0kg

② Subject to sales contract