

265W~295W

Polycrystalline PV Module

CHSM6610P Series

CHSM6610P/HV Series

CHSM6610P max system voltage 1000V standard

CHSM6610P/HV max system voltage 1500V standard

Tier 1

Bloomberg

No.1

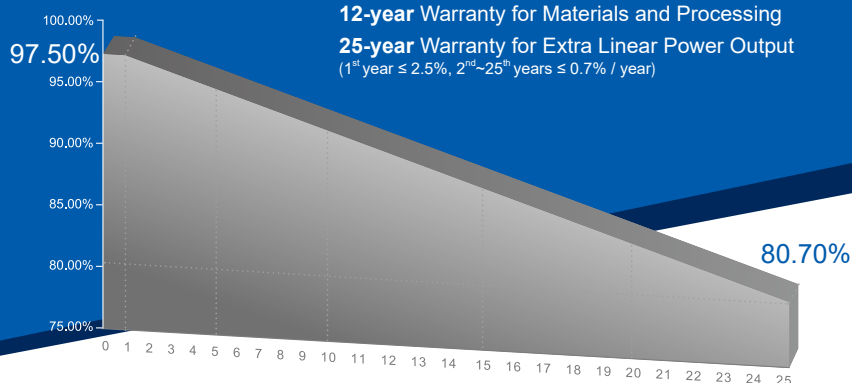
PHOTON

Reinsurance

3rd party

DNV GL

2018 TOP
Performance



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.



EXCELLENT MECHANICAL LOAD CAPABILITY

Certified to withstand: snow load (5400 Pa) and wind load (2400 Pa).



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.

* Multi-Busbar Module could be the option

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

COMPREHENSIVE CERTIFICATES



Designed for the Australian Market



ASTRONERGY
A CHNT COMPANY

ELECTRICAL SPECIFICATIONS

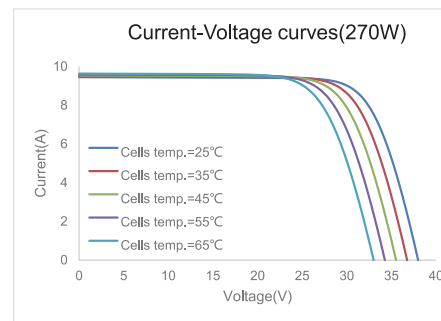
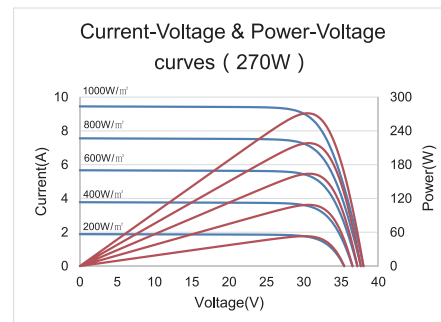
STC rated output (P_{mpp}/W_p)*	265	270	275	280	285	290	295
Rated voltage (V_{mpp}/V) at STC	30.92	31.08	31.12	31.20	31.38	31.55	31.63
Rated current (I_{mpp}/A) at STC	8.58	8.70	8.85	8.99	9.09	9.20	9.34
Open circuit voltage (V_{oc}/V) at STC	37.87	38.00	38.45	38.69	38.94	39.18	39.42
Short circuit current (I_{sc}/A) at STC	9.18	9.45	9.52	9.59	9.68	9.75	9.83
Module efficiency	16.2%	16.5%	16.8%	17.1%	17.4%	17.7%	18.0%
Rated output (P_{mpp}/W) at NOCT	198.8	202.5	206.3	210.0	213.8	217.5	221.3
Rated voltage (V_{mpp}/V) at NOCT	27.98	28.12	28.15	28.22	28.41	28.56	28.62
Rated current (I_{mpp}/A) at NOCT	7.10	7.20	7.33	7.44	7.52	7.62	7.73
Open circuit voltage(V_{oc}/V) at NOCT	34.60	34.71	35.13	35.35	35.57	35.79	36.01
Short circuit current (I_{sc}/A) at NOCT	7.73	7.96	8.02	8.08	8.15	8.21	8.28
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)	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

CURVE



PACKING SPECIFICATIONS

① Weight (module only)	18.4 kg / 40.57 lbs
② Packing unit	31 pcs / box
Weight of packing unit (for 40'HQ container)	609 kg / 1343 lbs
Number of modules per 40'HQ container	868 pcs

① Tolerance +/- 1.0kg

② Subject to sales contract

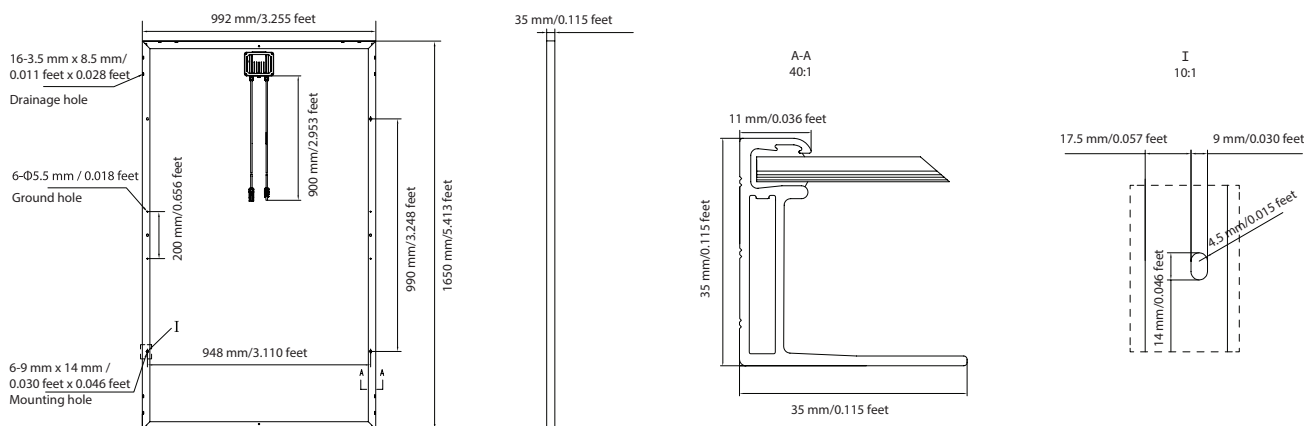
MECHANICAL SPECIFICATIONS

Outer dimensions (L x W x H)	1650 x 992 x 35 mm 64.96 x 39.06 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
① Cable length (IEC)	900 mm / 35.43 in
Cable diameter (IEC)	4 mm ²
② Maximum mechanical test load	5400 Pa (front) / 2400 Pa (back)
Fire performance (IEC)	C
Connector type (IEC)	MH5(by Minghe) or PV-HCB40(by Chint Solar) or PV-KST4-EVO2/XY,PV-KBT4-EVO2/XY(by Stäubli)

① Option: 900(+)/600(-)mm,1000mm or any other customized length.

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

MODULE DIMENSION DETAILS



Made in Zhejiang, Jiangsu and Anhui of China, Made in Sincan/ Ankara of Turkey

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