

285W~315W

Monocrystalline PV Module

CHSM6610M Series

CHSM6610M/HV Series

CHSM6610M max system voltage 1000V standard

CHSM6610M/HV max system voltage 1500V standard

Tier 1

Bloomberg

No.1

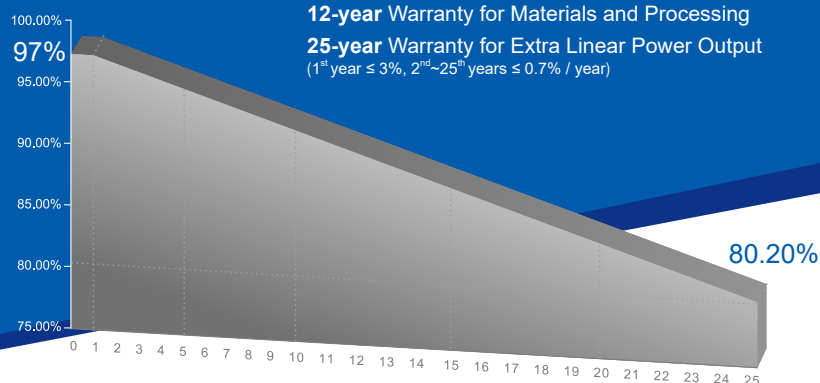
PHOTON

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 (6000 Pa) and wind load (3600 Pa).



LOWER TEMPERATURE COEFFICIENT

Improved temperature coefficient decreases power loss in the high temperature application.



* 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



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

Specially Designed



ASTRONERGY
A CHNT COMPANY

ELECTRICAL SPECIFICATIONS

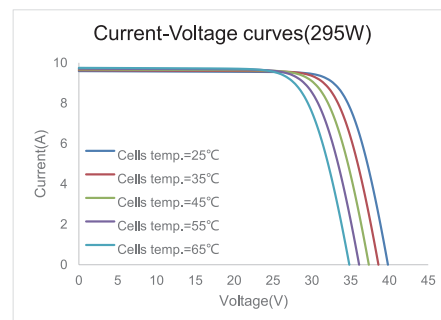
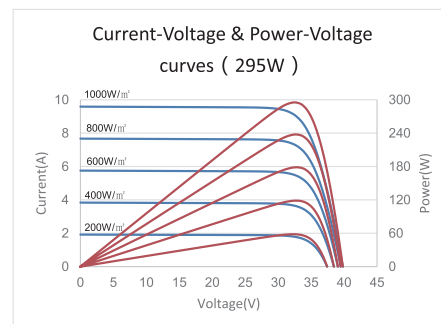
STC rated output (P_{mpp}/W_p)*	285	290	295	300	305	310	315
Rated voltage (V_{mpp}/V) at STC	31.80	32.15	32.38	32.59	32.80	32.96	33.05
Rated current (I_{mpp}/A) at STC	8.97	9.03	9.12	9.21	9.30	9.42	9.55
Open circuit voltage (V_{oc}/V) at STC	39.15	39.45	39.81	39.90	40.05	40.18	40.33
Short circuit current (I_{sc}/A) at STC	9.46	9.54	9.59	9.68	9.72	9.86	9.98
Module efficiency	17.4%	17.7%	18.0%	18.3%	18.6%	18.9%	19.2%
Rated output (P_{mpp}/W) at NOCT	209.4	213.1	216.8	220.5	224.1	227.8	231.5
Rated voltage (V_{mpp}/V) at NOCT	29.27	29.58	29.79	30.00	30.21	30.31	30.40
Rated current (I_{mpp}/A) at NOCT	7.16	7.20	7.28	7.35	7.42	7.52	7.61
Open circuit voltage(V_{oc}/V) at NOCT	36.32	36.60	36.93	37.01	37.15	37.27	37.41
Short circuit current (I_{sc}/A) at NOCT	7.61	7.67	7.71	7.79	7.82	7.93	8.03
Temperature coefficient (P_{mpp})	- 0.380%/°C						
Temperature coefficient (I_{sc})	+0.042%/°C						
Temperature coefficient (V_{oc})	- 0.284%/°C						
Normal operating cell temperature (NOCT)	46±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



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	6000 Pa
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.

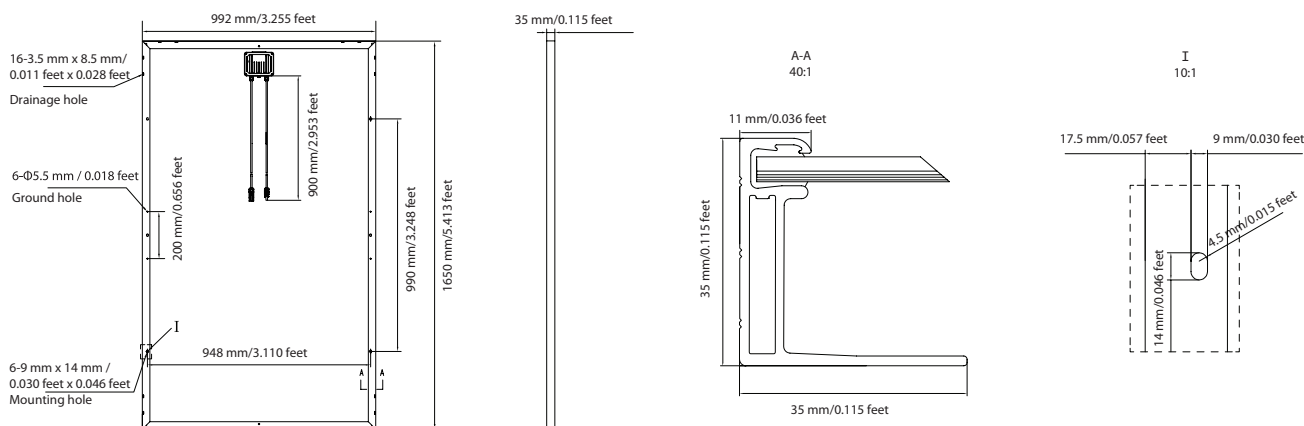
PACKING SPECIFICATIONS

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

MODULE DIMENSION DETAILS



Made in China, Vietnam, Thailand and Germany

© Chint Solar (Zhejiang) Co., Ltd. Reserves the right of final interpretation. please contact our company to use the latest version for contract.

www.astronergy.com

Astronergy 02-2019