



370W~390W

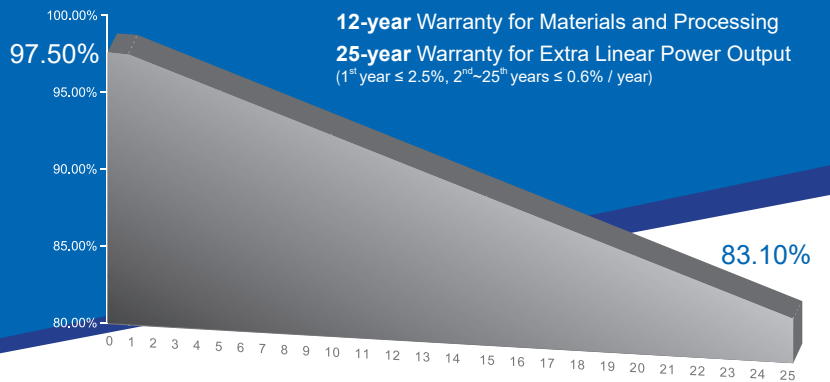
Monocrystalline PV Module

CHSM6612M Series (156.75)

CHSM6612M/HV Series (156.75)

CHSM6612M max system voltage 1000V standard

CHSM6612M/HV max system voltage 1500V standard



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).
- LOWER TEMPERATURE COEFFICIENT**
 Improved temperature coefficient decreases power loss in the high temperature application.

COMPREHENSIVE CERTIFICATES



Special for Australian Market



ASTRONERGY
A CHNT COMPANY

ELECTRICAL SPECIFICATIONS

STC rated output (P_{mpp}/Wp)*	370	375	380	385	390
Rated voltage (V_{mpp}/V) at STC	39.56	39.76	39.89	40.02	40.15
Rated current (I_{mpp}/A) at STC	9.36	9.45	9.54	9.63	9.72
Open circuit voltage (V_{oc}/V) at STC	48.36	48.45	48.61	48.78	48.94
Short circuit current (I_{sc}/A) at STC	9.91	9.94	9.99	10.04	10.09
Module efficiency	19.0%	19.3%	19.5%	19.8%	20.1%
Rated output (P_{mpp}/W) at NMOT	272.5	276.2	279.9	283.6	287.2
Rated voltage (V_{mpp}/V) at NMOT	36.50	36.64	36.78	36.92	37.05
Rated current (I_{mpp}/A) at NMOT	7.47	7.54	7.61	7.68	7.75
Open circuit voltage (V_{oc}/V) at NMOT	44.84	44.92	45.07	45.22	45.37
Short circuit current (I_{sc}/A) at NMOT	7.96	7.99	8.03	8.07	8.11
Temperature coefficient (P_{mpp})	- 0.376%/°C				
Temperature coefficient (I_{sc})	+0.043%/°C				
Temperature coefficient (V_{oc})	- 0.282%/°C				
Nominal Module Operating temperature (NMOT)	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	20 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

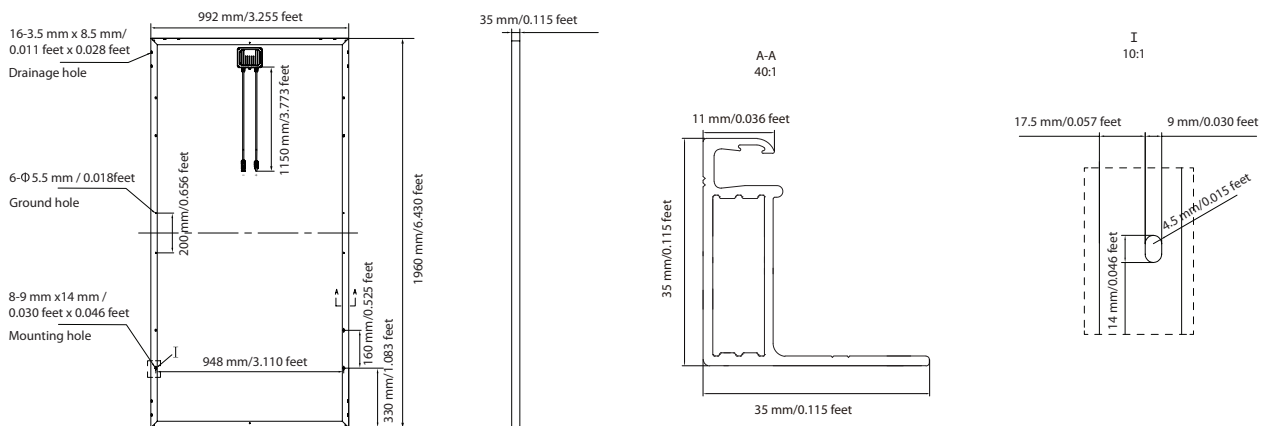
MECHANICAL SPECIFICATIONS

Outer dimensions (L x W x H)	1960 x 992 x 35 mm 77.17 x 39.06 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)	1150 mm / 45.28 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(Logo:MINGHE) or PV-HCB40(Logo:Chint Solar) or PV-KST4-EVO2/XY, PVKBT4-EVO2/XY(Logo:MC) or PV-KST4/6II-UR, PV-KBT4/6II-UR(Logo:MC) or PV-KST4/xy, PV-KBT4/xy(Logo:MC)

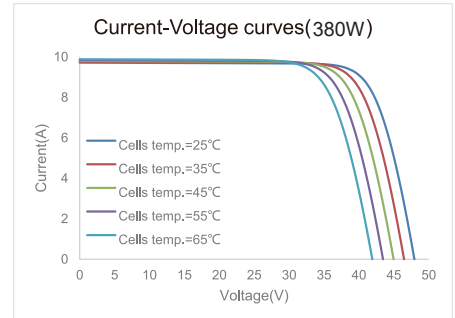
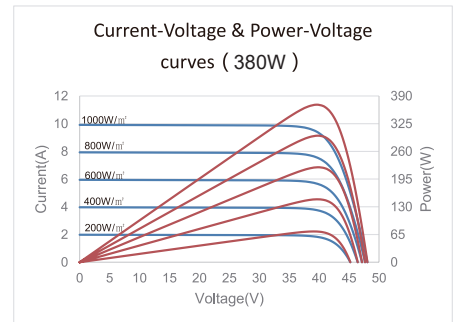
① Option: 900(+)/600(-) mm, 1200mm or any other customized length.

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

MODULE DIMENSION DETAILS



CURVE



PACKING SPECIFICATIONS

① Weight (module only)	21.6 kg / 47.62 lbs
② Packing unit	31 pcs / box
Weight of packing unit (for 40'HQ container)	715 kg / 1576 lbs
Number of modules per 40'HQ container	744 pcs

① Tolerance +/- 1.0kg

② Subject to sales contract

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

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