

355W~375W

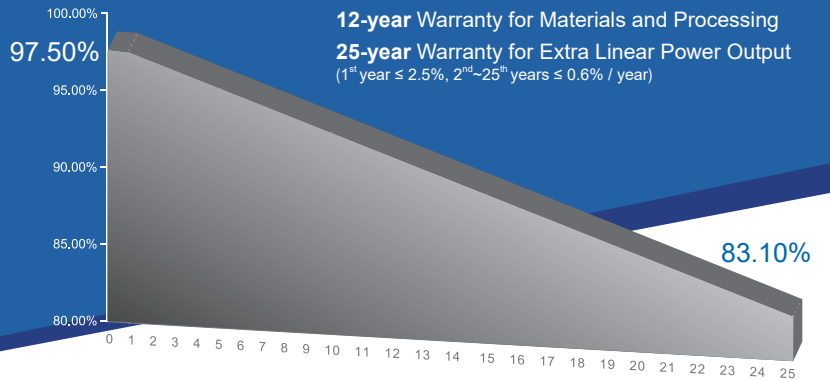
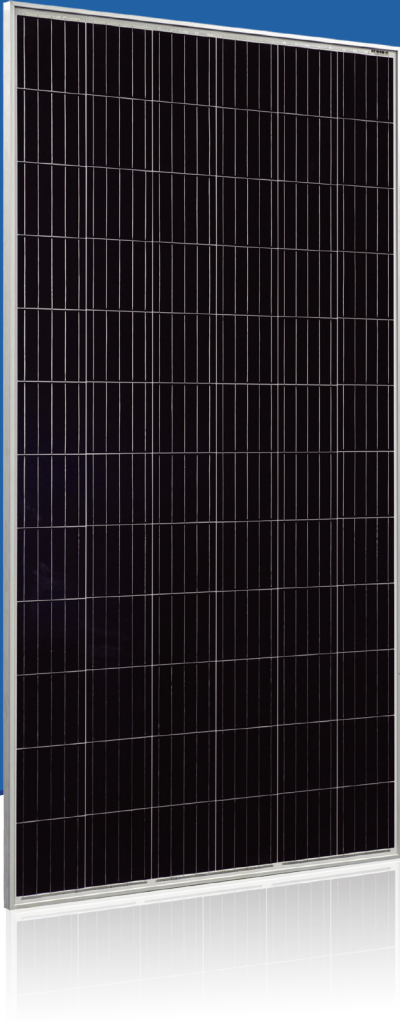
Polycrystalline PV Module

CHSM6612P Series (156.75)

CHSM6612P/HV Series (156.75)

CHSM6612P max system voltage 1000V standard

CHSM6612P/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 (6000 Pa) and wind load (3600 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.

COMPREHENSIVE CERTIFICATES



Special for Australian Market



ASTRONERGY
A CHNT COMPANY

ELECTRICAL SPECIFICATIONS

STC rated output (P_{mpp}/Wp)*	355	360	365	370	375
Rated voltage (V_{mpp}/V) at STC	37.55	38.89	39.09	39.29	39.49
Rated current (I_{mpp}/A) at STC	9.46	9.26	9.34	9.42	9.50
Open circuit voltage (V_{oc}/V) at STC	46.70	47.01	47.26	47.51	47.76
Short circuit current (I_{sc}/A) at STC	9.78	9.79	9.96	9.93	10.00
Module efficiency	18.4%	18.6%	18.9%	19.1%	19.4%
Rated output (P_{mpp}/W) at NMOT	247.9	251.4	254.9	258.4	261.9
Rated voltage (V_{mpp}/V) at NMOT	34.29	35.52	35.71	35.89	36.07
Rated current (I_{mpp}/A) at NMOT	7.23	7.08	7.14	7.20	7.26
Open circuit voltage (V_{oc}/V) at NMOT	42.85	43.14	43.37	43.60	43.83
Short circuit current (I_{sc}/A) at NMOT	7.56	7.57	7.63	7.68	7.73
Temperature coefficient (P_{mpp})	- 0.408%/°C				
Temperature coefficient (I_{sc})	+0.050%/°C				
Temperature coefficient (V_{oc})	- 0.311%/°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

NMOT: Irradiance 800W/m², Ambient Temperature 20°C, AM=1.5, Wind Speed 1m/s

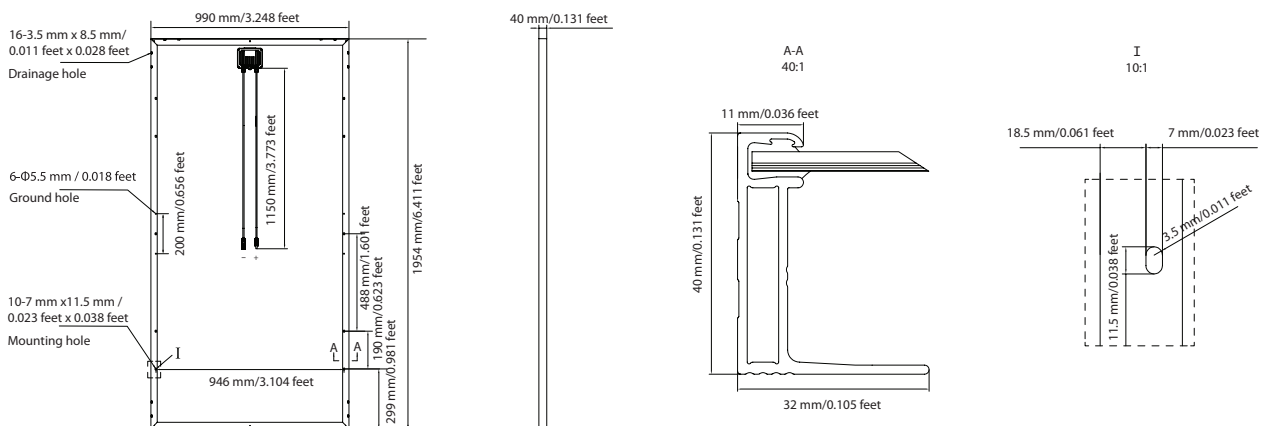
MECHANICAL SPECIFICATIONS

Outer dimensions (L x W x H)	1960 x 992 x 40 mm 77.17 x 39.06 x 1.57 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)

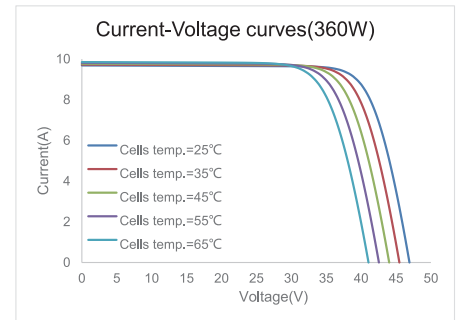
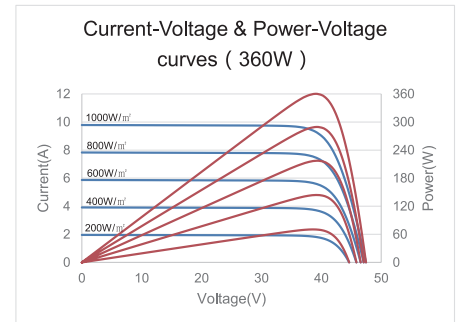
① Option: 900(+)/600(-) mm, 1200mm or any other customized length.

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)	21.8 kg / 48.06 lbs
② Packing unit	27 pcs / box
Weight of packing unit (for 40'HQ container)	634 kg / 1398 lbs
Number of modules per 40'HQ container	648 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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