

# 355W~375W

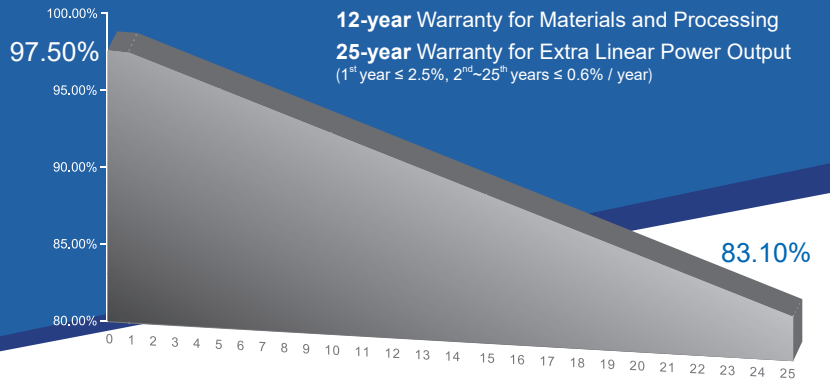
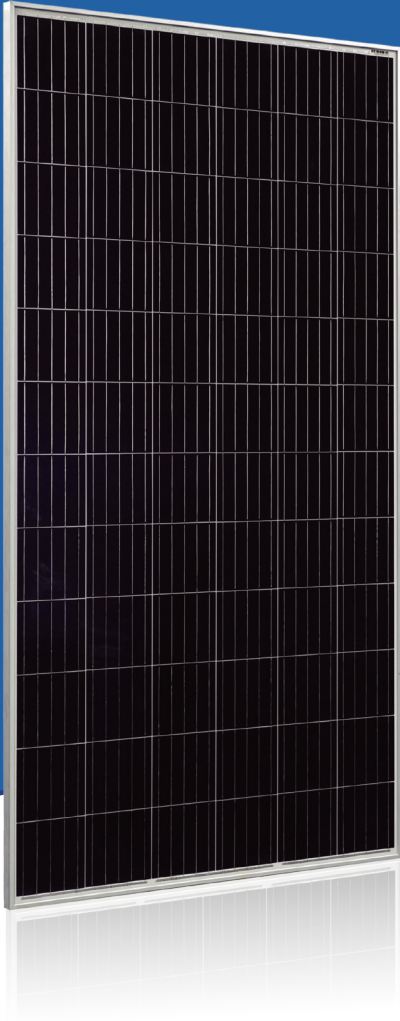
Polycrystalline PV Module

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	18.3%	18.5%	18.8%	19.0%	19.3%
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 <sub>DC</sub> or 1500V <sub>DC</sub>				
Number of diodes	3				
Junction box IP rating	IP 67				
Maximum series fuse rating	20 A				

\* Measurement tolerance +/- 3%

STC: Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, AM=1.5

NMOT: Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20°C, AM=1.5, Wind Speed 1m/s

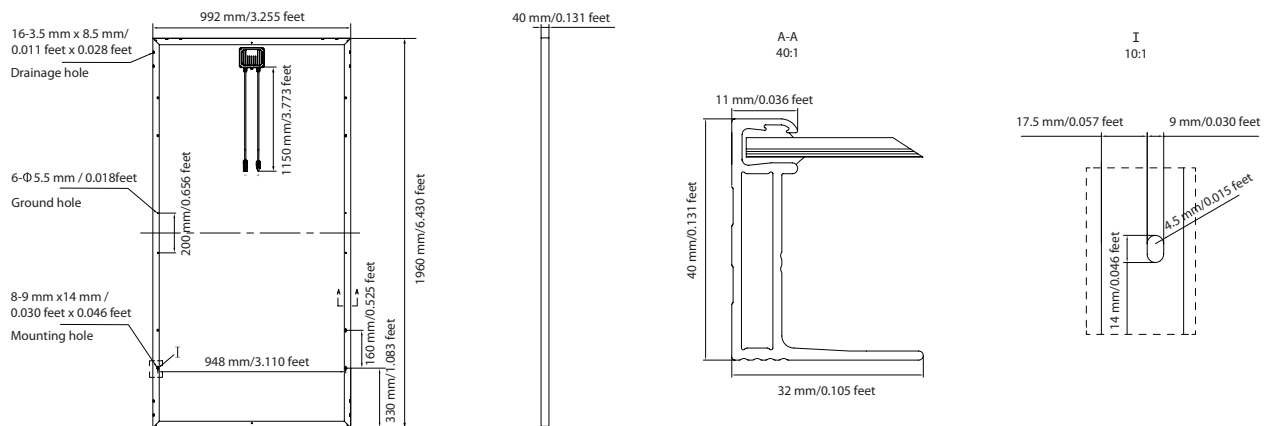
## MECHANICAL SPECIFICATIONS

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 <sup>2</sup>
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)

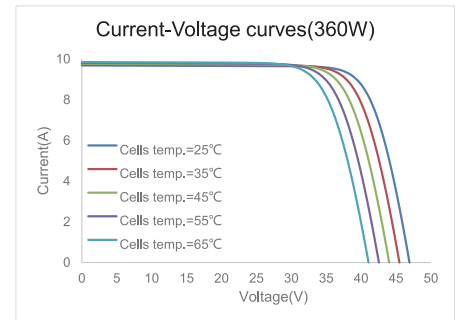
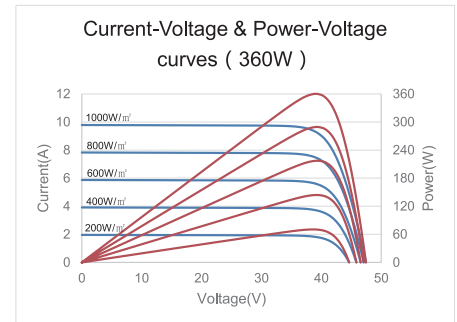
① Option: 900(+)/600(-) mm, 1200mm or any other customized length.

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)	21.9 kg / 48.28 lbs
② Packing unit	27 pcs / box
Weight of packing unit (for 40'HQ container)	637 kg / 1404 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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