

# AstroNova™

Profitable for Decades



## 325W~335W

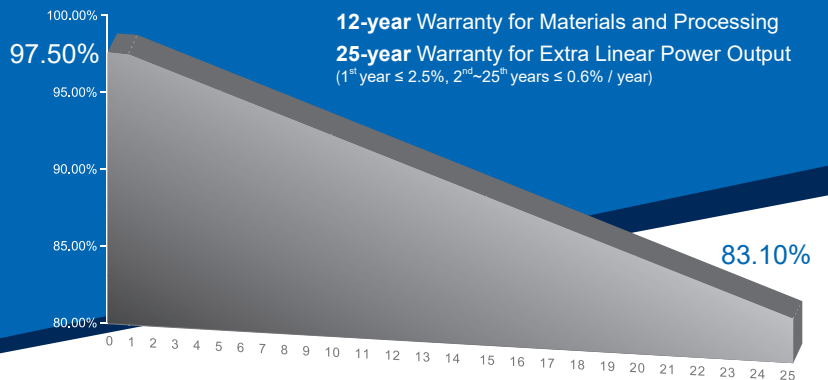
5BB-Polycrystalline PV Module

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 (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.

### COMPREHENSIVE CERTIFICATES



Special for Australian Market



**ASTRONERGY**  
A CHNT COMPANY

## ELECTRICAL SPECIFICATIONS

STC rated output ( $P_{mpp}$ )*	325 Wp	330 Wp	335 Wp
Rated voltage ( $V_{mpp}$ ) at STC	37.11 V	37.15 V	37.26 V
Rated current ( $I_{mpp}$ ) at STC	8.77 A	8.89 A	9.00 A
Open circuit voltage ( $V_{oc}$ ) at STC	45.67 V	45.86 V	45.98 V
Short circuit current ( $I_{sc}$ ) at STC	9.48 A	9.52 A	9.57 A
Module efficiency	16.7%	17.0%	17.2%
Rated output ( $P_{mpp}$ ) at NMOT	226.9 Wp	230.4 Wp	233.9 Wp
Rated voltage ( $V_{mpp}$ ) at NMOT	33.86 V	33.92 V	34.01 V
Rated current ( $I_{mpp}$ ) at NMOT	6.70 A	6.79 A	6.88 A
Open circuit voltage ( $V_{oc}$ ) at NMOT	41.91 V	42.08 V	42.19 V
Short circuit current ( $I_{sc}$ ) at NMOT	7.33 A	7.37 A	7.40 A
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/UL)	1000V <sub>DC</sub> or 1500V <sub>DC</sub>		
Number of diodes	3		
Junction box IP rating	IP 67		
Maximum series fuse rating	15 A		

Power Sorting: 0~+5W

\* Measurement tolerance +/- 3%

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

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

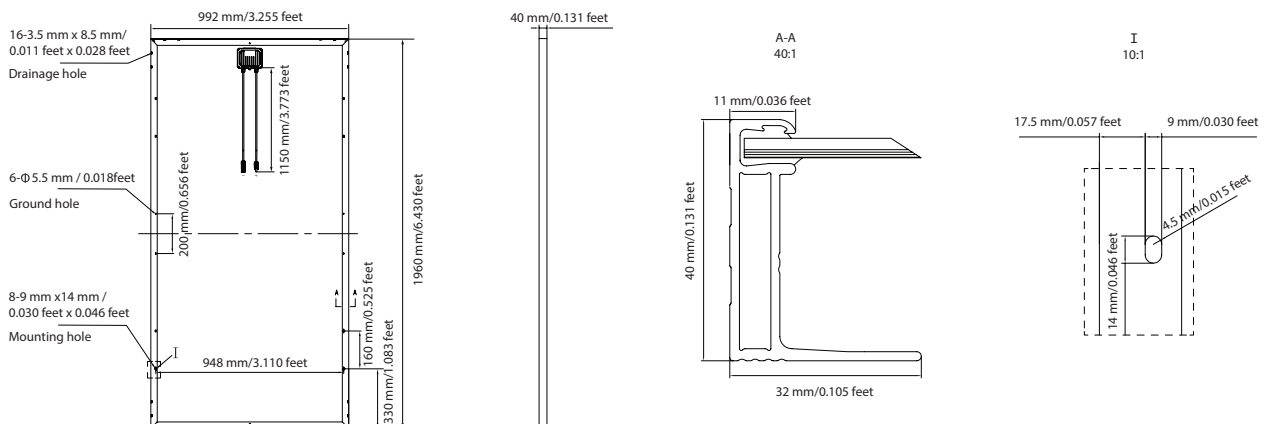
## MECHANICAL SPECIFICATIONS

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/UL)	1150 mm / 45.28 in
Cable diameter (IEC/UL)	4 mm <sup>2</sup> / 12 AWG
② Maximum mechanical test load	5400 Pa (front) / 2400 Pa (back)
Fire performance (IEC/UL)	Class C (IEC) or Type 1 (UL)
Connector type (IEC/UL)	MH5(Logo:MINGHE) or PV-HCB40(Logo:Chint Solar) or PV-KST4-EVO2/XY,PV-KBT4-EVO2/XY(Logo:MC) or PV-KST4/6II-UR, PV-KBT4/6II-UR(Logo:MC) or PV-KST4/xy, PV-KBT4/xy(Logo:MC)

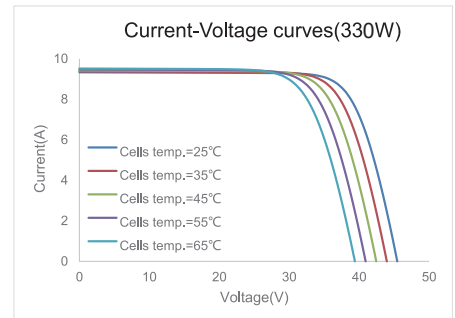
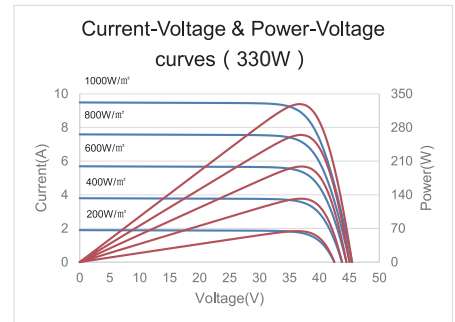
① Option: 900(+)/600(-) mm for defined projects in advance.

② Refer to Astronergy Crystalline Silicon PV Module 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)	636 kg / 1402 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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