

# 325W~355W

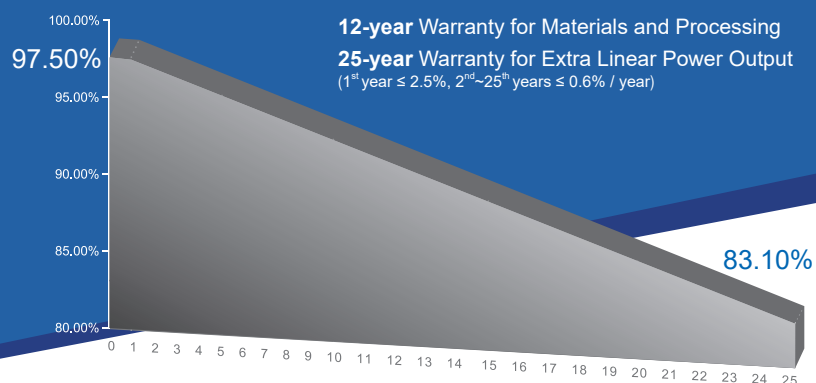
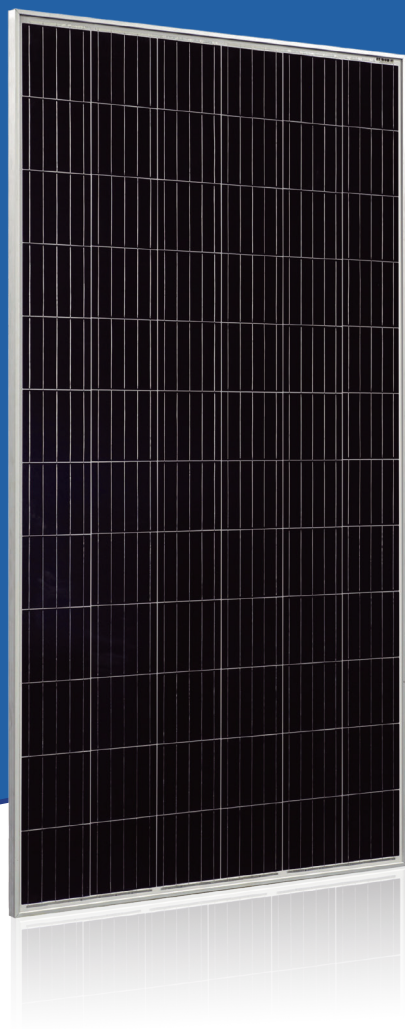
## Polycrystalline PV Module

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 ( $P_{mpp}/W_p$ )*          | 325                                        | 330   | 335   | 340   | 345   | 350   | 355   |
| Rated voltage ( $V_{mpp}/V$ ) at STC         | 37.11                                      | 37.15 | 37.26 | 37.33 | 37.38 | 37.48 | 37.55 |
| Rated current ( $I_{mpp}/A$ ) at STC         | 8.77                                       | 8.89  | 9.00  | 9.11  | 9.23  | 9.34  | 9.46  |
| Open circuit voltage ( $V_{oc}/V$ ) at STC   | 45.67                                      | 45.86 | 45.98 | 46.16 | 46.37 | 46.57 | 46.70 |
| Short circuit current ( $I_{sc}/A$ ) at STC  | 9.48                                       | 9.52  | 9.57  | 9.62  | 9.67  | 9.72  | 9.78  |
| Module efficiency                            | 16.7%                                      | 17.0% | 17.2% | 17.5% | 17.7% | 18.0% | 18.3% |
| Rated output ( $P_{mpp}/W$ ) at NMOT         | 226.9                                      | 230.4 | 233.9 | 237.4 | 240.9 | 244.4 | 247.9 |
| Rated voltage ( $V_{mpp}/V$ ) at NMOT        | 33.86                                      | 33.92 | 34.01 | 34.10 | 34.15 | 34.24 | 34.29 |
| Rated current ( $I_{mpp}/A$ ) at NMOT        | 6.70                                       | 6.79  | 6.88  | 6.96  | 7.05  | 7.14  | 7.23  |
| Open circuit voltage( $V_{oc}/V$ ) at NMOT   | 41.91                                      | 42.08 | 42.19 | 42.36 | 42.55 | 42.73 | 42.85 |
| Short circuit current ( $I_{sc}/A$ ) at NMOT | 7.33                                       | 7.37  | 7.40  | 7.44  | 7.48  | 7.52  | 7.56  |
| 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

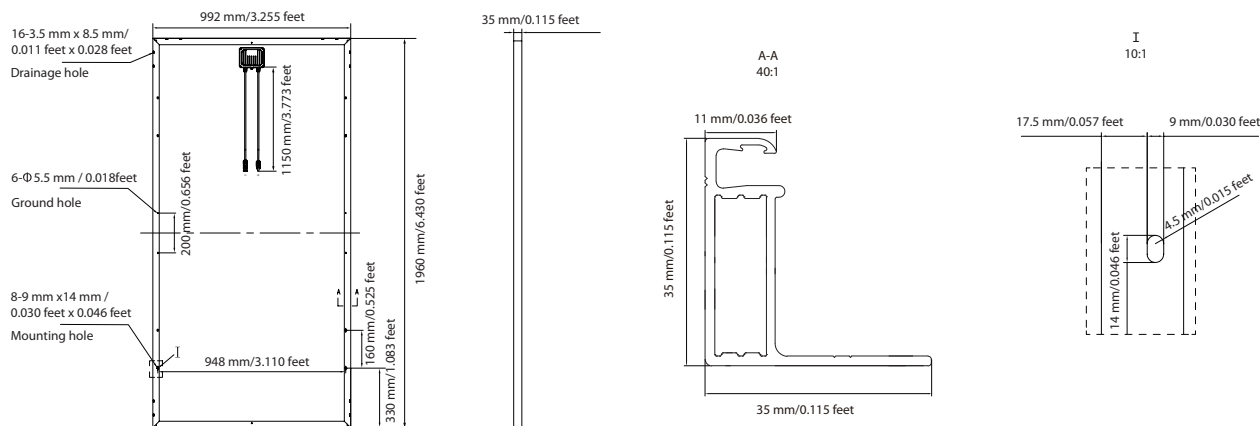
## MECHANICAL SPECIFICATIONS

|                                |                                                                                                                                                                                |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Outer dimensions (L x W x H)   | 1960 x 992 x 35 mm<br>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 <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<br>PV-KST4-EVO2/XY, PVKBT4-EVO2/XY(Logo:MC) or PV-KST4/6II-UR,<br>PV-KBT4/6II-UR(Logo:MC) or PV-KST4/xy, PV-KBT4/xy(Logo:MC) |

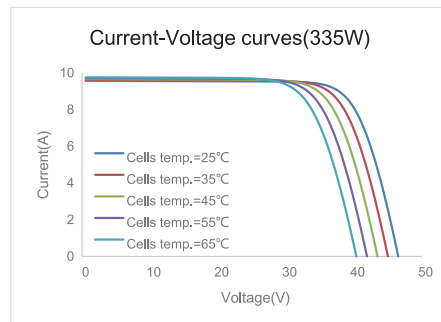
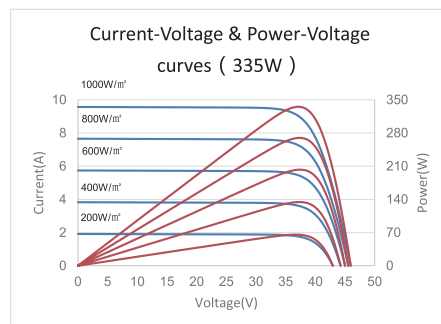
① Option: 900(+)/600(-) mm, 1200mm or any other customized length.

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

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

<http://energy.chint.com>

Astronergy 03-2020