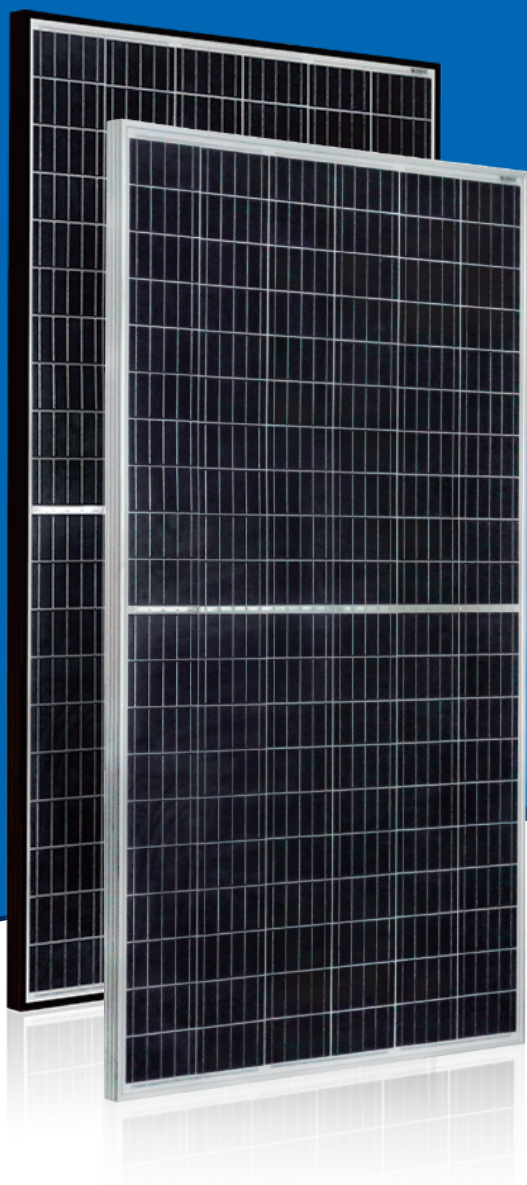


AstroSemi™

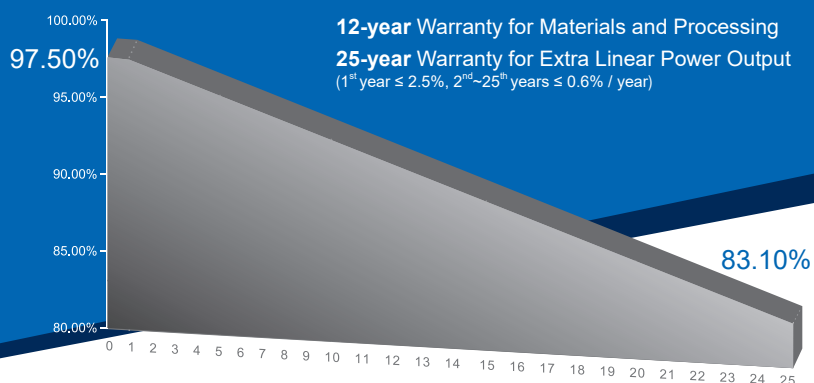
Incredible Power for Small Body



330W~340W

Monocrystalline PV Module

CHSM60M-HC Series (158.75)



KEY FEATURES



OUTPUT POSITIVE TOLERANCE

Guaranteed 0~+5W positive tolerance ensures power output reliability.



INNOVATIONAL HALF-CELL TECHNOLOGY

Improves the module output, decreases the risk of micro-crack, enhances the module reliability.



REDUCE SHADOW LOSS

Effectively reduces the effect of shadow on the module surface.



REDUCE INTERNAL MISMATCH LOSS

Reduces mismatch loss and improves output.

COMPREHENSIVE CERTIFICATES



Special for Australian Market



ASTRONERGY
A CHNT COMPANY

ELECTRICAL SPECIFICATIONS

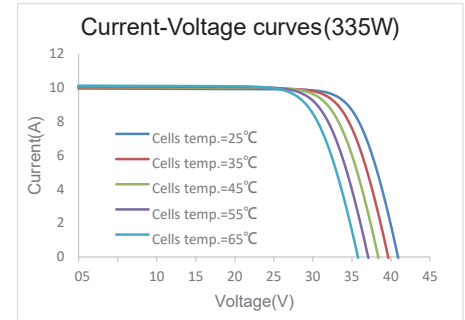
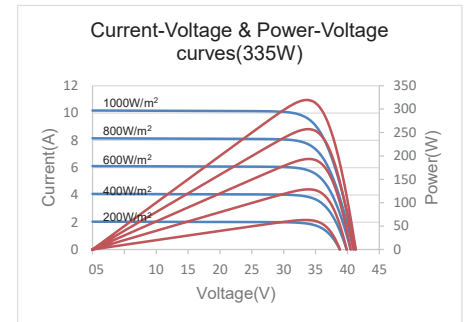
STC rated output (P_{mpp})*	330 Wp	335 Wp	340 Wp
Rated voltage (V_{mpp}) at STC	34.17 V	34.44 V	34.69 V
Rated current (I_{mpp}) at STC	9.66 A	9.73 A	9.80 A
Open circuit voltage (V_{oc}) at STC	41.32 V	41.61 V	41.88 V
Short circuit current (I_{sc}) at STC	10.14 A	10.22 A	10.30 A
Module efficiency	19.5%	19.8%	20.1%
Rated output (P_{mpp}) at NMOT	246.1 Wp	249.8 Wp	253.5 Wp
Rated voltage (V_{mpp}) at NMOT	31.85 V	32.10 V	32.35 V
Rated current (I_{mpp}) at NMOT	7.73 A	7.78 A	7.84 A
Open circuit voltage (V_{oc}) at NMOT	38.85 V	39.12 V	39.37 V
Short circuit current (I_{sc}) at NMOT	8.16 A	8.22 A	8.28 A
Temperature coefficient (P_{mpp})	- 0.3438%/°C		
Temperature coefficient (I_{sc})	+0.0353%/°C		
Temperature coefficient (V_{oc})	- 0.2722%/°C		
Nominal module operating temperature (NMOT)	44±2°C		
Maximum system voltage (IEC/UL)	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

CURVE



MECHANICAL SPECIFICATIONS

Outer dimensions (L x W x H)	1692 x 1002 x 35 mm 66.61 x 39.45 x 1.38 in
Frame technology	Aluminum, silver anodized
Module composition	Glass / EVA / Backsheet (white or black)
Front glass thickness	3.2 mm / 0.13 in
Cable length (IEC/UL)	Portrait: 350 mm (13.78 in) Landscape: 1100 mm (43.31 in)
Cable diameter (IEC/UL)	4 mm ² / 12 AWG
① 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-KST4-EVO2/XY-UR, PV-KBT4-EVO2/XY-UR(Logo:MC)

① Refer to Astronergy crystalline installation manual or contact technical department.

Maximum Mechanical Test Load=1.5×Maximum Mechanical Design Load.

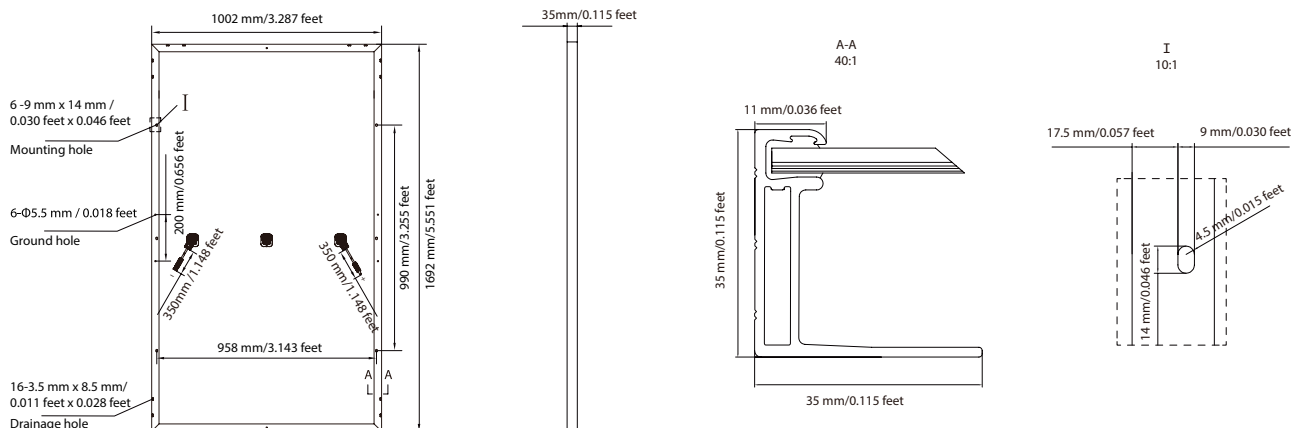
PACKING SPECIFICATIONS

① Weight (module only)	19.1 kg / 42.11 lbs
② Packing unit	31 pcs / box
Weight of packing unit (for 40'HQ container)	631 kg / 139 lbs
Number of modules per 40'HQ container	806 pcs

① Tolerance +/- 1.0kg

② Subject to sales contract

MODULE DIMENSION DETAILS



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

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<http://energy.chint.com>

Astronergy 05-2020