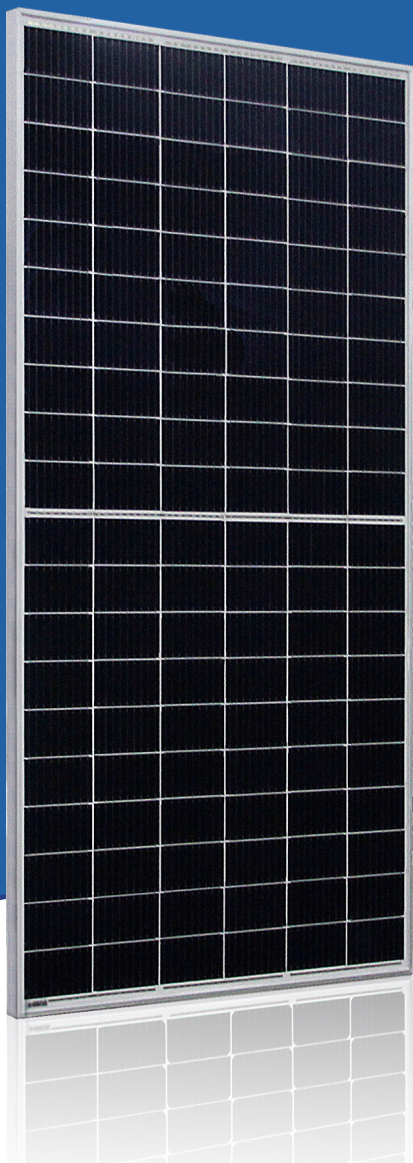


AstroSemi™

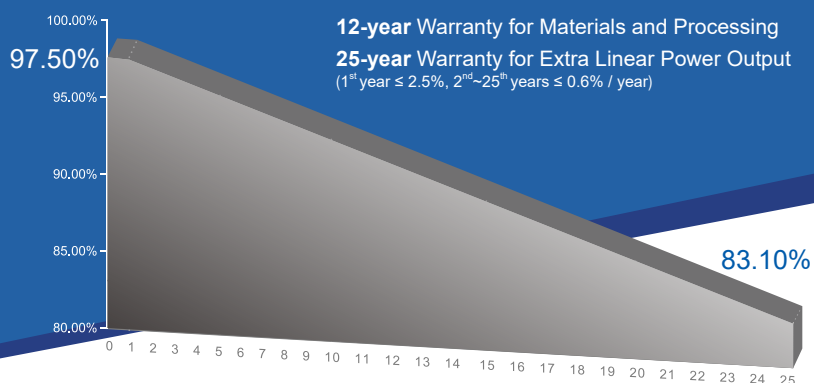
Incredible Power for Small Body



335W~350W

Monocrystalline PV Module

CHSM60M-HC Series (158.75)



KEY FEATURES

- +5W 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

ELECTRICAL SPECIFICATIONS

STC rated output (P_{mpp})*	335 Wp	340 Wp	345 Wp	350 Wp
Rated voltage (V_{mpp}) at STC	34.44 V	34.69 V	34.96 V	32.99 V
Rated current (I_{mpp}) at STC	9.73 A	9.80 A	9.87 A	10.61 A
Open circuit voltage (V_{oc}) at STC	41.61 V	41.88 V	42.16 V	39.49 V
Short circuit current (I_{sc}) at STC	10.22 A	10.30 A	10.38 A	11.08 A
Module efficiency	19.8%	20.1%	20.3%	20.6%
Rated output (P_{mpp}) at NMOT	249.8 Wp	253.5 Wp	257.3 Wp	261.0 Wp
Rated voltage (V_{mpp}) at NMOT	32.10 V	32.35 V	32.59 V	30.76 V
Rated current (I_{mpp}) at NMOT	7.78 A	7.84 A	7.89 A	8.49 A
Open circuit voltage (V_{oc}) at NMOT	39.12 V	39.37 V	39.64 V	37.12 V
Short circuit current (I_{sc}) at NMOT	8.22 A	8.28 A	8.35 A	8.91 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			

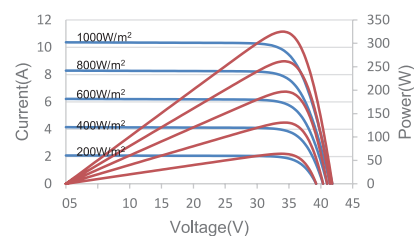
* Measurement tolerance +/- 3%

STC: Irradiance 1000W/m², Cell Temperature 25°C, AM=1.5

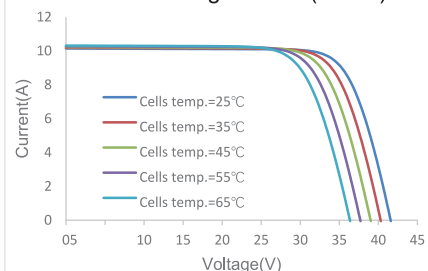
NMOT: Irradiance 800W/m², Ambient Temperature 20°C, AM=1.5, Wind Speed 1m/s

CURVE

Current-Voltage & Power-Voltage curves(340W)



Current-Voltage curves(340W)



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)
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)	PV-CY03L (Logo:CHUANG YUAN) or PV-HCB40(Logo:XINHUI) or MH5 (Logo:MINGHE) or PV-KST4-EVO2/XY-UR,PV-KBT4-EVO2/XY-UR(Logo:MC)

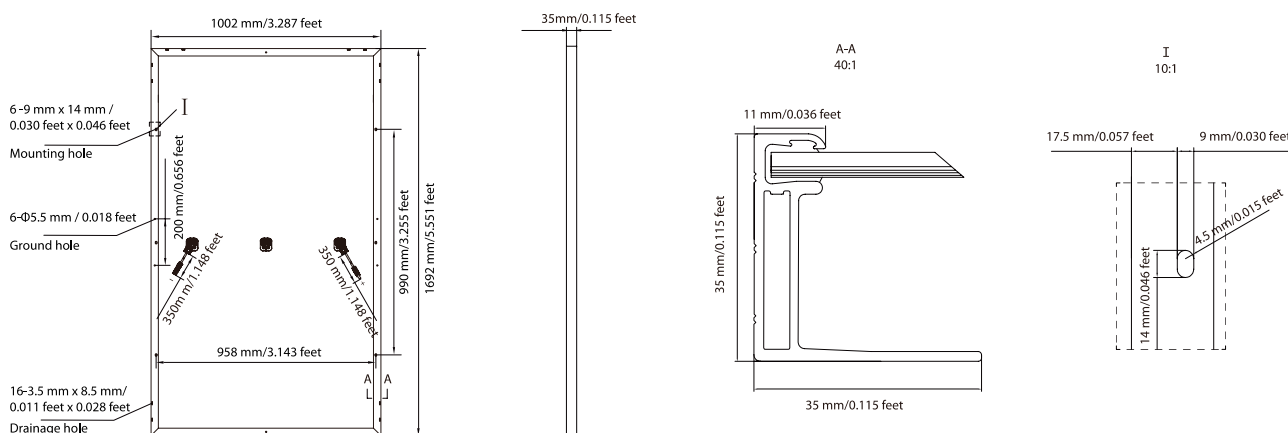
① Refer to Astronergy crystalline installation manual or contact technical department.
Maximum Mechanical Test Load=1.5×Maximum Mechanical Design Load.

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 03-2020