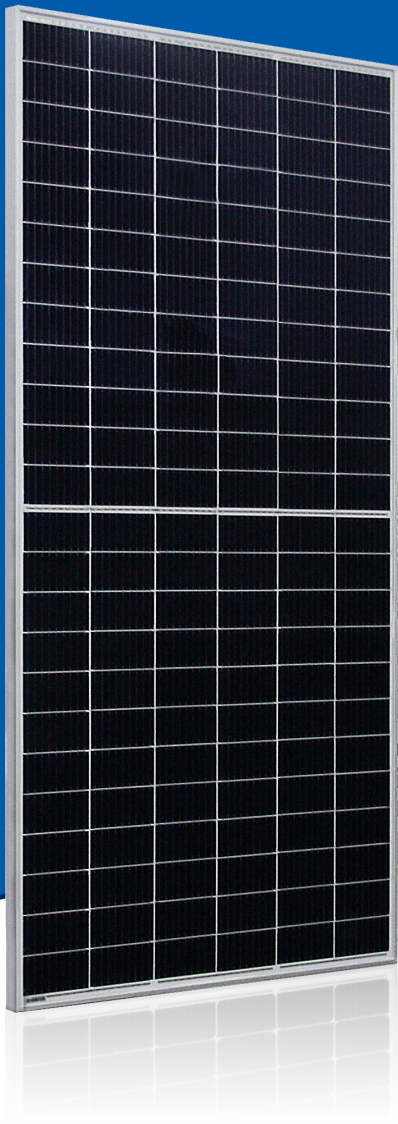


AstroSemi™

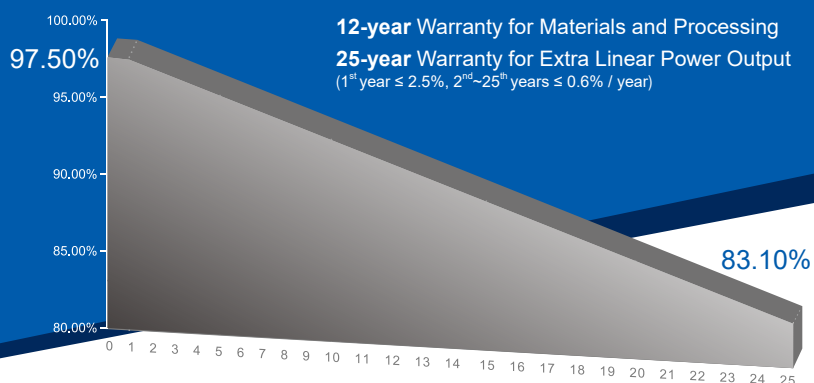
Incredible Power for Small Body



385W~400W

Polycrystalline PV Module

CHSM72P-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

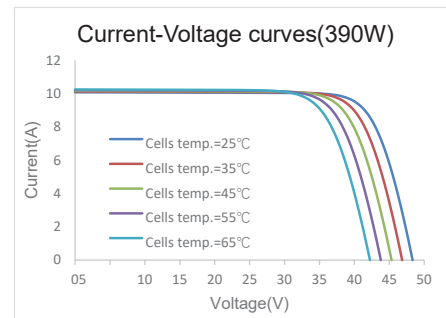
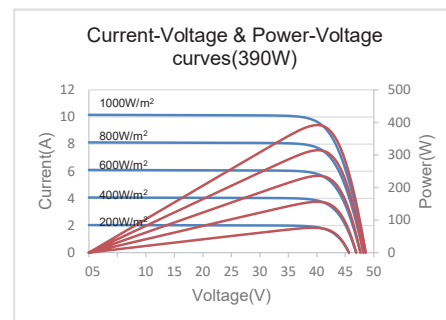
STC rated output (P_{mpp})*	385 Wp	390 Wp	395 Wp	400 Wp
Rated voltage (V_{mpp}) at STC	40.15 V	40.31 V	40.49 V	40.68 V
Rated current (I_{mpp}) at STC	9.60 A	9.68 A	9.76 A	9.84 A
Open circuit voltage (V_{oc}) at STC	48.37 V	48.55 V	48.66 V	48.78 V
Short circuit current (I_{sc}) at STC	10.08 A	10.16 A	10.23 A	10.28 A
Module efficiency	19.0%	19.3%	19.5%	19.8%
Rated output (P_{mpp}) at NMOT	286.5 Wp	290.2 Wp	293.9 Wp	297.7 Wp
Rated voltage (V_{mpp}) at NMOT	37.23 V	37.41 V	37.58 V	37.74 V
Rated current (I_{mpp}) at NMOT	7.69 A	7.76 A	7.82 A	7.89 A
Open circuit voltage (V_{oc}) at NMOT	45.38 V	45.55 V	45.65 V	45.76 V
Short circuit current (I_{sc}) at NMOT	8.13 A	8.19 A	8.25 A	8.29 A
Temperature coefficient (P_{mpp})	- 0.3599%/°C			
Temperature coefficient (I_{sc})	+0.0430%/°C			
Temperature coefficient (V_{oc})	- 0.2765%/°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



PACKING SPECIFICATIONS

① Weight (module only)	22.8 kg / 50.27 lbs
② Packing unit	27 pcs / box
Weight of packing unit (for 40'HQ container)	663 kg / 1462 lbs
Number of modules per 40'HQ container	594 pcs

① Tolerance +/- 1.0kg

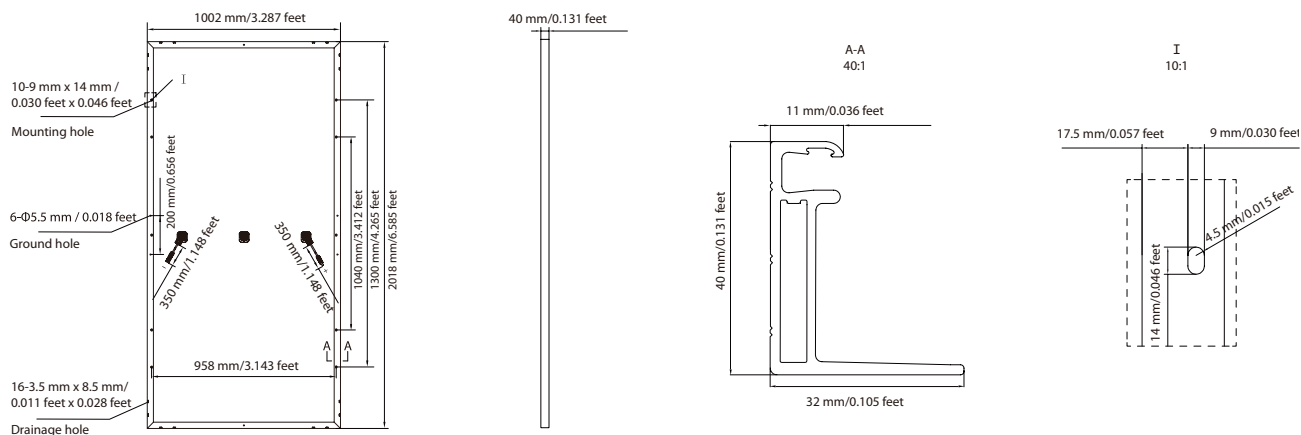
② Subject to sales contract

MECHANICAL SPECIFICATIONS

Outer dimensions (L x W x H)	2018 x 1002 x 40 mm 79.45 x 39.45 x 1.57 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: 1200 mm (47.24 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.

MODULE DIMENSION DETAILS



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>