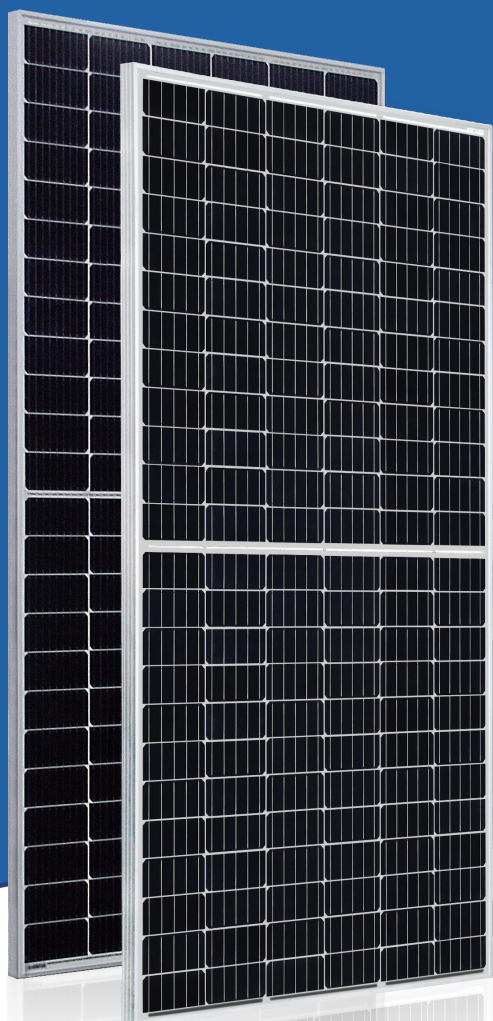




Multi-Busbar Module could be the option

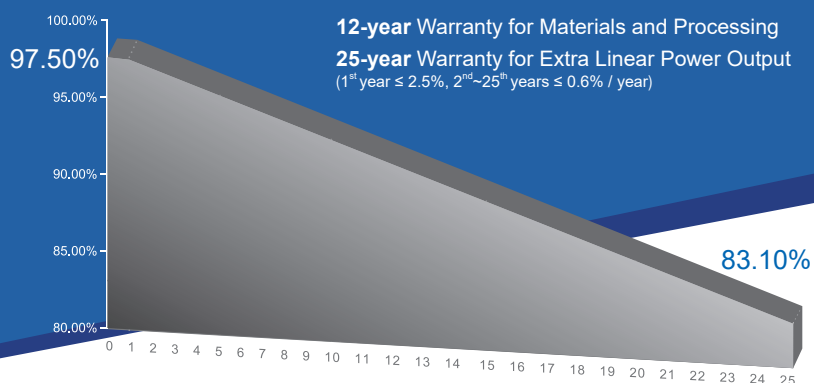
COMPREHENSIVE CERTIFICATES



380W~410W

Monocrystalline PV Module

CHSM72M-HC Series (156.75)



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.

Special for Australian Market



ASTRONERGY
 A CHNT COMPANY

ELECTRICAL SPECIFICATIONS

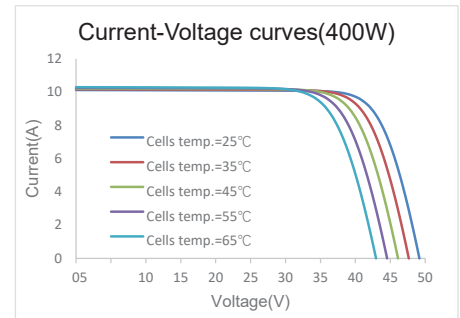
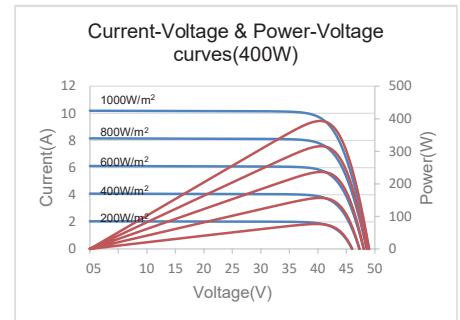
STC rated output (P_{mpp})*	380	385	390	395	400	405	410
Rated voltage (V_{mpp}) at STC	40.26	40.58	40.81	41.07	41.32	41.59	41.85
Rated current (I_{mpp}) at STC	9.44	9.49	9.56	9.62	9.68	9.74	9.80
Open circuit voltage (V_{oc}) at STC	48.18	48.47	48.70	48.98	49.25	49.53	49.80
Short circuit current (I_{sc}) at STC	9.95	10.02	10.10	10.17	10.24	10.31	10.38
Module efficiency	19.2%	19.4%	19.7%	19.9%	20.2%	20.4%	20.7%
Rated output (P_{mpp}) at NMOT	282.5	286.2	289.9	293.6	297.4	301.1	304.8
Rated voltage (V_{mpp}) at NMOT	37.37	37.67	37.88	38.12	38.37	38.61	38.84
Rated current (I_{mpp}) at NMOT	7.56	7.60	7.65	7.70	7.75	7.80	7.85
Open circuit voltage (V_{oc}) at NMOT	45.12	45.39	45.61	45.87	46.12	46.38	46.64
Short circuit current (I_{sc}) at NMOT	8.02	8.07	8.14	8.19	8.25	8.31	8.36
Temperature coefficient (P_{mpp})	- 0.3528%/°C						
Temperature coefficient (I_{sc})	+0.0400%/°C						
Temperature coefficient (V_{oc})	- 0.2769%/°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



MECHANICAL SPECIFICATIONS

Outer dimensions (L x W x H)	2000 x 992 x 35 mm 78.74 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
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 Silicon PV Module Installation Manual or contact technical department.
Maximum Mechanical Test Load=1.5×Maximum Mechanical Design Load.

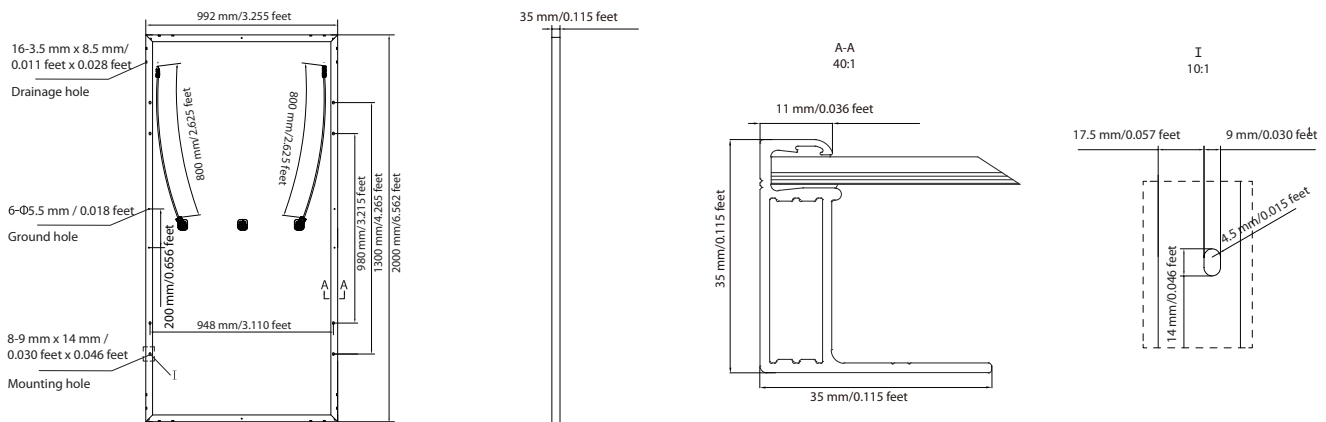
PACKING SPECIFICATIONS

① Weight (module only)	22.0 kg / 48.50 lbs
② Packing unit	31 pcs / box
Weight of packing unit (for 40'HQ container)	666 kg / 1468 lbs
Number of modules per 40'HQ container	682 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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