AstroHalo[™] **High Tech Leads Industry**



Multi-Busbar Module could be the option



First solar company which passed the TUV Nord IEC/TS 62941 certification audit.

350W~370W

Monocrystalline PV Module CHSM6612M Series CHSM6612M/HV Series

CHSM6612M max system voltage 1000V standard CHSM6612M/HV max system voltage 1500V standard



15 16 17 18 19 20 21 22 23 24 25

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 mirco-crack and improves the module output.



INNOVATIVE PERC CELL TECHNOLOGY



Excellent cell efficiency and output.



LOWER TEMPERATURE COEFFICIENT

Improved temperature coefficient decreases power loss in the high temperature application.



HIGHER RELIABILITY AND DURABILITY

Effectively deals with harsh environments, such as sand, salt mist and ammonia resistance.

PASSED HAIL TEST

Certified to hail resistence: ice ball size (d=45mm) and ice ball velocity (v=30.7m/s).



PID RESISTANCE

Excellent PID resistance at 96 hours (@85°C /85%) test, and also can be improved to meet higher standards for the particularly harsh environment.



ELECTRICAL SPECIFICATIONS					
STC rated output (P _{mpp})*	350 Wp	355 Wp	360 Wp	365 Wp	370 Wp
Rated voltage (V_{mpp}) at STC	38.58 V	38.82 V	39.14 V	39.38 V	39.56 V
Rated current (Impp) at STC	9.08 A	9.15 A	9.20 A	9.27 A	9.36 A
Open circuit voltage (V_{oc}) at STC	47.01 V	47.31 V	47.62 V	47.82 V	48.36 V
Short circuit current ($I_{\rm sc}$) at STC	9.53 A	9.60 A	9.66 A	9.75 A	9.91 A
Module efficiency	18.1%	18.4%	18.6%	18.9%	19.1%
Rated output (P _{mpp}) at NOCT	257.8 Wp	261.5 Wp	265.1 Wp	268.8 Wp	272.5 Wp
Rated voltage (V_{mpp}) at NOCT	35.58 V	35.81 V	36.13 V	36.36 V	36.50 V
Rated current (I_{mpp}) at NOCT	7.24 A	7.30 A	7.34 A	7.39 A	7.47 A
Open circuit voltage (V_{oc}) at NOCT	43.59 V	43.87 V	44.15 V	44.34 V	44.84 V
Short circuit current (I_{sc}) at NOCT	7.66 A	7.71 A	7.76 A	7.83 A	7.96 A
Temperature coefficient (P _{mpp})	- 0.376%/°C				
Temperature coefficient (Isc)	+0.043%/°C				
Temperature coefficient (Voc)	- 0.282%/°C				
Normal operating cell temperature (NOCT)	46±2°C				
Maximum system voltage (IEC/UL)	$1000V_{DC}$ or $1500V_{DC}$				
Number of diodes	3				
Junction box IP rating	IP 67				
Maximum series fuse rating	15 A				

* Measurement tolerance

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

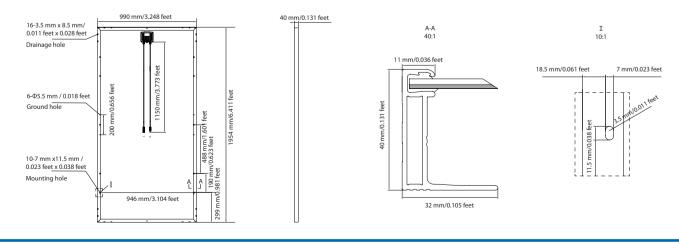
+/- 3%

MECHANICAL SPECIFICA	TIONS
Outer dimensions (L x W x H)	1954 x 990 x 40 mm 76.93 x 38.98 x 1.57 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/UL)	1150 mm / 45.28 in
Cable diameter (IEC/UL)	4 mm² / 12 AWG
² Maximum mechanical test load	6000 Pa
Fire performance (IEC/UL)	Class C (IEC) or Type 1 (UL)
Connector type (IEC/UL)	MC4 compatible

 $^{\odot}$ Option: 900(+) /600(-) mm for defined projects in advance.

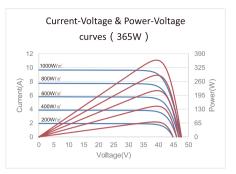
© Refer to Astronergy Crystalline Silicon PV Module Installation Manual or contact technical department. Maximum Mechanical Test Load=1.5×Maximum Mechanical Design Load.

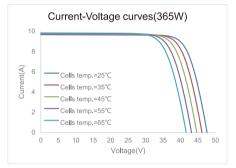
MODULE DIMENSION DETAILS



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CURVE





PACKING SPECIFICATIONS				
^① Weight (module only)	21.8 kg / 48.06 lbs			
² Packing unit	27 pcs / box			
Weight of packing unit (for 40'HQ container)	634 kg / 1398 lbs			
Number of modules per 40'HQ container	648 pcs			
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[©] Tolerance +/- 1.0kg © Subject to sales contract