AstroNova[™]

Profitable for Decades



COMPREHENSIVE CERTIFICATES























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

335W~350W

5BB-Monocrystalline PV Module

CHSM6612M Series CHSM6612M/HV Series

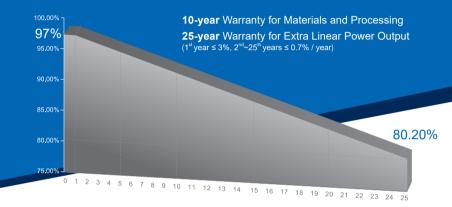
CHSM6612M max system voltage 1000V standard CHSM6612M/HV max system voltage 1500V standard











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.



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.



EXCELLENT MECHANICAL LOAD CAPABILITY

Certified to withstand: snow load (6000 Pa) and wind load (3600 Pa).



HIGHER RELIABILITY AND DURABILITY

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



ASSED HAIL TEST

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



LOWER TEMPERATURE COEFFICIENT

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



ELECTRICAL SPECIFICATIONS				
STC rated output (P _{mpp})*	335 Wp	340 Wp	345 Wp	350 Wp
Rated voltage (V _{mpp}) at STC	37.82 V	38.08 V	38.34 V	38.58 V
Rated current (Impp) at STC	8.87 A	8.93 A	9.01 A	9.08 A
Open circuit voltage (V∞) at STC	45.98 V	46.38 V	46.70 V	47.01 V
Short circuit current (Isc) at STC	9.38 A	9.41 A	9.48 A	9.53 A
Module efficiency	17.3%	17.6%	17.8%	18.1%
Rated output (Pmpp) at NOCT	246.7 Wp	250.4 Wp	254.1 Wp	257.8 Wp
Rated voltage (V _{mpp}) at NOCT	34.88 V	35.14 V	35.36 V	35.58 V
Rated current (Impp) at NOCT	7.07 A	7.13 A	7.19 A	7.24 A
Open circuit voltage (V _{oc}) at NOCT	42.63 V	43.00 V	43.30 V	43.59 V
Short circuit current (Isc) at NOCT	7.54 A	7.56 A	7.62 A	7.66 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			



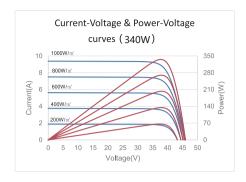
STC: Irradiance 1000W/m², Cell Temperature 25°C, AM=1.5 NOCT: Irradiance 800W/m², Ambient Temperature 20°C, AM=1.5, Wind Speed 1m/s

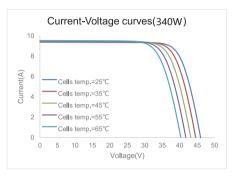
MECHANICAL SPECIFICATIONS 1954 x 990 x 40 mm Outer dimensions (L x W x H) 76.93 x 38.98 x 1.57 in Frame technology Aluminum, silver anodized Module composition Glass / EVA / Backsheet (white) Front glass thickness 3.2 mm / 0.13 in ^① Cable length (IEC/UL) 1150 mm / 45.28 in 4 mm² / 12 AWG Cable diameter (IEC/UL) ² Maximum mechanical test load 6000 Pa Fire performance (IEC/UL) Class C (IEC) or Type 1 (UL) Connector type (IEC/UL) MC4 compatible



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

CURVE

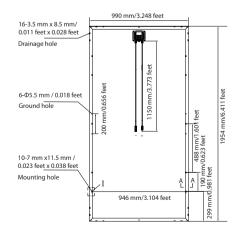


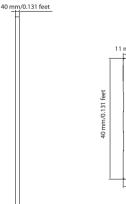


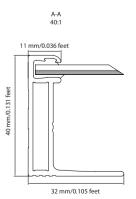
PACKING SPECIFICATIONS			
^① Weight (module only)	21.8 kg / 48.06 lbs		
^② Packing unit	27 pcs / box		
Weight of packing unit (for 40'HQ container)	634 kg / 1398 lbs		
Number of modules per 40'HQ container	648 pcs		

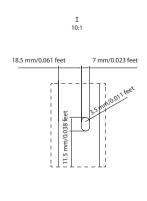
^① Tolerance +/- 1.0kg

MODULE DIMENSION DETAILS









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