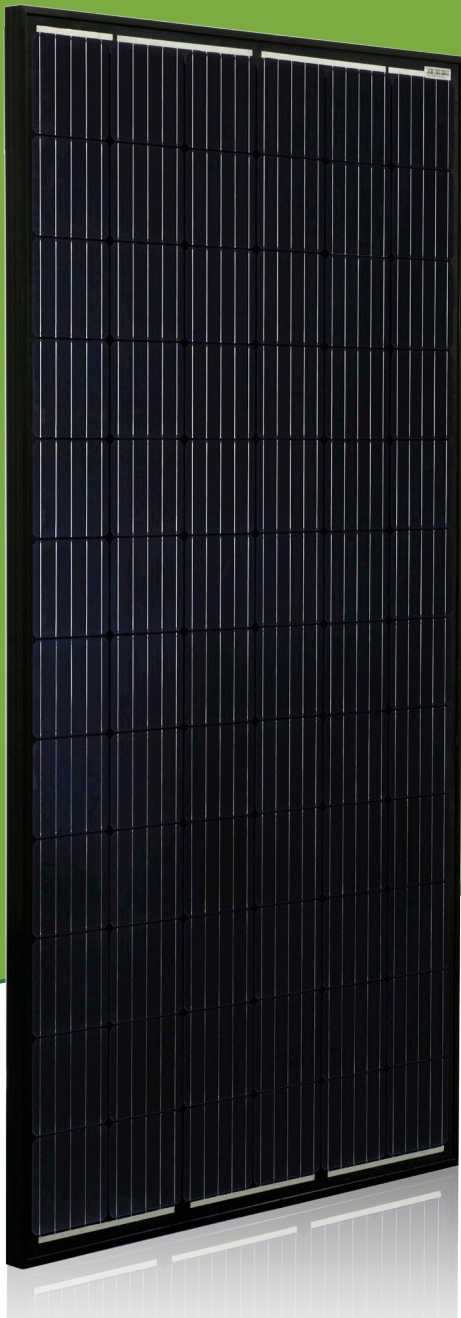


For Global Market



STAR™ II

345W ~ 360W

5BB-Monocrystalline PV Module

CHSM6612M(BL) Series

Tier 1

Bloomberg

No.1

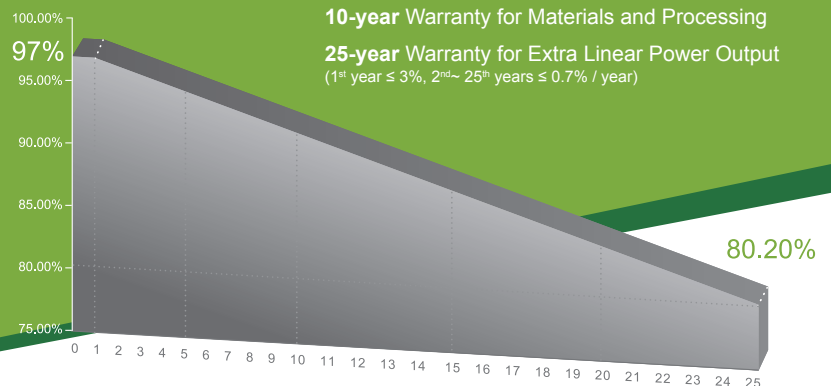
PHOTON

MunichRe

Insured

DNV GL

2017 TOP Performance



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 micro-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.



THE-STATE-OF-THE-ART APPEARANCE

Full black designed for a better aesthetic appearance and building integration.



PASSED HAIL TEST

Certified to hail resistance: 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.

COMPREHENSIVE CERTIFICATES



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



ELECTRICAL SPECIFICATIONS

STC rated output (Pmpp)*	345 Wp	350 Wp	355 Wp	360 Wp
Rated voltage (Vmpp) at STC	38.34 V	38.58 V	38.82 V	39.14 V
Rated current (Impp) at STC	9.01 A	9.08 A	9.15 A	9.20 A
Open circuit voltage (Voc) at STC	46.70 V	47.01 V	47.31 V	47.62 V
Short circuit current (Isc) at STC	9.48 A	9.53 A	9.60 A	9.66 A
Module efficiency	17.8%	18.1%	18.4%	18.6%
Rated output (Pmpp) at NOCT	254.1 Wp	257.8 Wp	261.5 Wp	265.1 Wp
Rated voltage (Vmpp) at NOCT	35.36 V	35.58 V	35.81 V	36.13 V
Rated current (Impp) at NOCT	7.19 A	7.24 A	7.30 A	7.34 A
Open circuit voltage (Voc) at NOCT	43.30 V	43.59 V	43.87 V	44.15 V
Short circuit current (Isc) at NOCT	7.62 A	7.66 A	7.71 A	7.76 A
Temperature coefficient (Pmpp)	- 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}			
Number of diodes	3			
Junction box IP rating	IP 67			
Maximum series fuse rating	15 A			

* Measurement tolerance +/- 3%

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

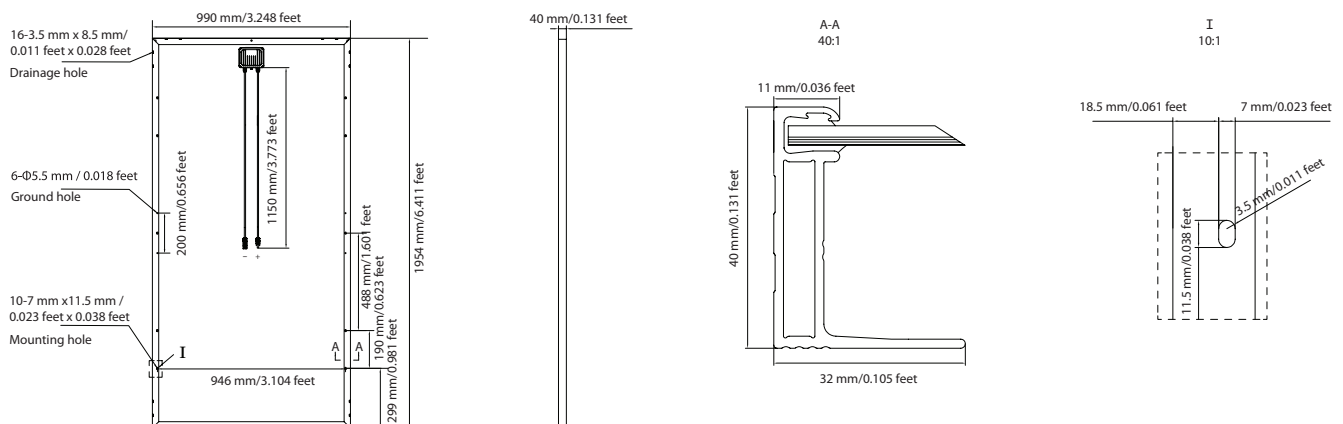
Outer dimensions (L x W x H)	1954 x 990 x 40 mm 76.93 x 38.98 x 1.57 in
Frame technology	Aluminum, black anodized
Module composition	Glass / EVA / Backsheet (black)
Front glass thickness	3.2 mm / 0.13 in
① Cable length (IEC/UL)	1150 mm / 45.28 in
Cable diameter (IEC/UL)	4 mm ² / 12 AWG
② Maximum mechanical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

① Option: 900(+)/600(-) mm for defined projects in advance.

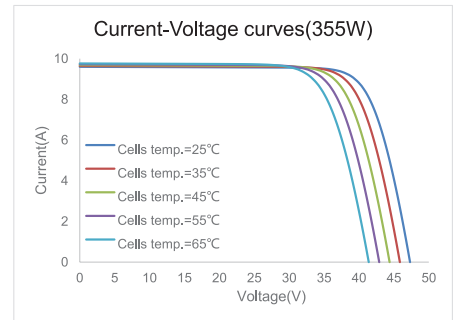
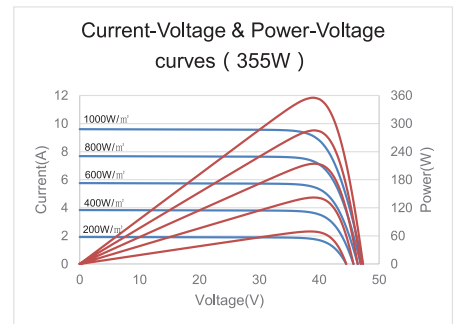
② Refer to Astronergy crystalline installation manual or contact technical department.

Maximum Mechanical Test Load=1.5×Maximum Mechanical Design Load.

MODULE DIMENSION DETAILS



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)	646 kg / 1424 lbs
Number of modules per 40'HQ container	648 pcs

① Tolerance +/- 1.0kg

② Subject to sales contract