AstroDual TM Reliable in Every Way



COMPREHENSIVE CERTIFICATES



















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

320W~345W

5BB-Polycrystalline PV Module

CHSM6612P(DG) Series (Frameless)
CHSM6612P(DGT) Series (Frameless)

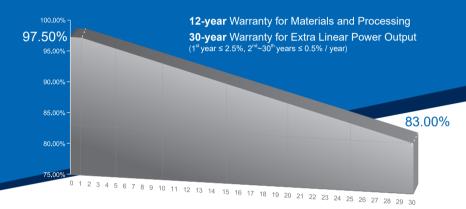
CHSM6612P (DG) is double glass module with white encapsulate material CHSM6612P (DGT) is double glass module with transparent encapsulate material











KEY FEATURES



ENHANCED FIRE PERFORMANCE

Fire Class A certified according to IEC standard.



EXCELLENT WEATHER RESISTANCE

Reduces the cell micro-crack and extended product warranty.



PID FREE

Excellent PID resistance, 1000 hours (@85°C /85%) ability for frameless design.



OPTIONAL BACK RAIL QUCIK INSTALLATION

Effectively improves the installation efficiency comparing with the conventional clamping installation.



APPLICABLE FOR MULTI DIFFERENT ENVIRONMENTS

Transparent or white encapsulate material available.



SNAIL TRAIL RESISTANCE

Reduces the probability of snail trails with zero water vaper transmittance.



STRONGER STRUCTURE

Better cell mirco-crack resistance.



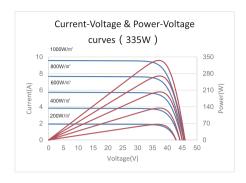
ELECTRICAL SPECIFICATIONS						
STC rated output (Pmpp)*	320 Wp	325 Wp	330 Wp	335 Wp	340 Wp	345 Wp
Rated voltage (V _{mpp}) at STC	37.03 V	37.08 V	37.17 V	37.26 V	37.33 V	37.41 V
Rated current (Impp) at STC	8.64 A	8.76 A	8.88 A	8.99 A	9.11 A	9.22 A
Open circuit voltage (V∞) at STC	45.51 V	45.72 V	45.87 V	46.02 V	46.22 V	46.42 V
Short circuit current (Isc) at STC	9.21 A	9.34 A	9.51 A	9.56 A	9.62 A	9.66 A
Module efficiency	16.4%	16.6%	16.9%	17.2%	17.4%	17.5%
Rated output (Pmpp) at NOCT	223.5 Wp	226.9 Wp	230.4 Wp	233.9 Wp	237.4 Wp	240.9 Wp
Rated voltage (V _{mpp}) at NOCT	33.83 V	33.88 V	33.96 V	34.04 V	34.11 V	34.18 V
Rated current (Impp) at NOCT	6.60 A	6.70 A	6.79 A	6.87 A	6.96 A	7.05 A
Open circuit voltage (V∞) at NOCT	41.76 V	41.95 V	42.09 V	42.23 V	42.41 V	42.60 V
Short circuit current (Isc) at NOCT	7.12 A	7.22 A	7.36 A	7.39 A	7.44 A	7.47 A
Temperature coefficient (P _{mpp})	- 0.400%/°C					
Temperature coefficient (I _{sc})	+0.044%/°C					
Temperature coefficient (V_{∞})	- 0.299%/°C					
Normal operating cell temperature (NOCT)	46±2°C					
Maximum system voltage (IEC/UL)	1500V _{DC} /1000V _{DC}					
Number of diodes	3					
Junction box IP rating	IP 67					
Maximum series fuse rating	15 A					

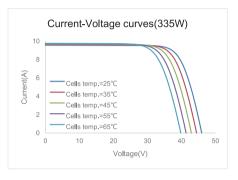


STC: Irradiance 1000W/m², Cell Temperature 25°C, AM=1.5 NOCT: Irradiance 800W/m², Ambient Temperature 20°C, AM=1.5, Wind Speed 1m/s

MECHANICAL SPECIFICATIONS 1968 x 992 x 6 mm Outer dimensions (L x W x H) 77.48 x 39.06 x 0.24 in Module composition Glass / EVA or POE / Glass Front glass thickness 2.5 mm / 0.098 in ^① Cable length (IEC/UL) 250(+) / 200(-) mm / 9.84 / 7.87 in Cable diameter (IEC/UL) 4 mm² / 12 AWG ² Maximum mechanical test load 7000 Pa Fire performance (IEC/UL) Class A (IEC) or Type 3 (UL) Connector type (IEC/UL) MC4 compatible

CURVE

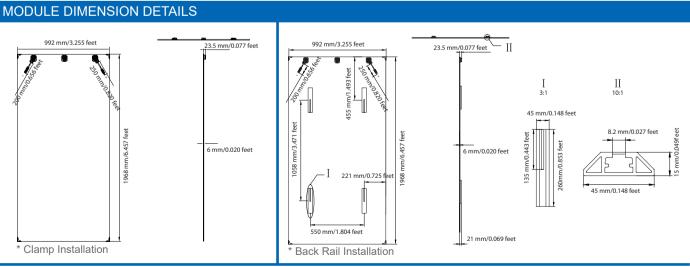




PACKING SPECIFICATIONS				
[®] Weight (module only)	28 kg / 61.73 lbs (without back rail) 28.8 kg / 63.49 lbs (with back rail)			
[®] Packing unit	33 pcs / box			
Weight of packing unit	993 kg / 2188 lbs (without back rail)			
(for 40'HQ container)	1019 kg / 2247 lbs (with back rail)			
Number of modules per 40'HQ container	726 pcs			

¹ Tolerance +/- 1.0kg

[©] Subject to sales contract



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[®] Positive:250mm,negative:200mm

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