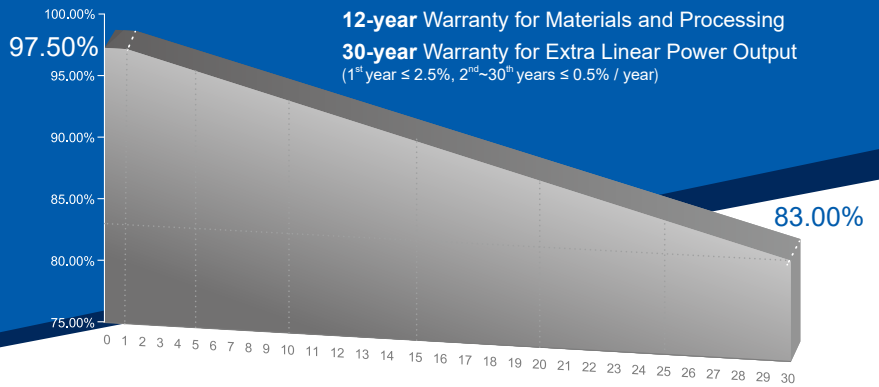


325W~340W

P-type Monocrystalline PV Module
CHSM60M(DG)/F-BH Series (156.75)

CHSM60M(DG)/F-BH is bifacial module with white glazed glass



Multi-Busbar Module could be the option

COMPREHENSIVE CERTIFICATES



KEY FEATURES

- OUTPUT POSITIVE TOLERANCE**
 Guaranteed 0~+5W positive tolerance ensures power output reliability.
- ENHANCED FIRE PERFORMANCE**
 Fire Class A certified according to IEC standard.
- EXCELLENT WEATHER RESISTANCE**
 Reduces the cell micro-crack and extended product warranty.
- BIFACIAL POWER**
 The backside makes use of the reflected and scattered light from the surroundings, the modules can yield up to 5%~30% power more, depending on the albedo.
- REDUCE INTERNAL MISMATCH LOSS**
 Reduces mismatch loss and improves output.
- APPLICABLE FOR MULTI DIFFERENT ENVIRONMENTS**
 The wide range of applications, such as BIPV, vertical installation, snow area, high humidity area and strong sandstorm area, etc.
- SNAIL TRAIL RESISTANCE**
 Reduces the probability of snail trails with zero water vapor transmittance.

Special for Australian Market



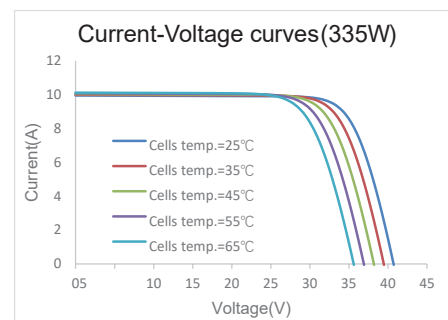
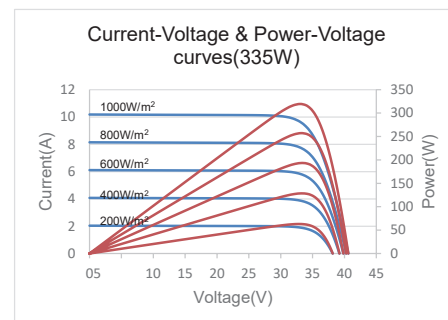
ASTRONERGY
A CHNT COMPANY

ELECTRICAL SPECIFICATIONS

Power rating (front)	325 Wp		330 Wp		335 Wp		340 Wp	
Testing Condition	Front	Back	Front	Back	Front	Back	Front	Back
STC rated output (P_{mpp}/Wp)*	325	213	330	232	335	236	340	239
Rated voltage (V_{mpp}/V) at STC	33.97	34.40	34.21	34.38	34.44	34.62	34.67	34.85
Rated current (I_{mpp}/A) at STC	9.57	6.21	9.65	6.76	9.73	6.82	9.81	6.87
Open circuit voltage (V_{oc}/V) at STC	40.42	39.23	40.61	39.41	40.80	39.60	40.99	39.78
Short circuit current (I_{sc}/A) at STC	10.00	6.53	10.07	7.06	10.14	7.11	10.21	7.16
Module efficiency	18.8%	12.3%	19.1%	13.4%	19.4%	13.6%	19.6%	13.8%
Temperature coefficient (P_{mpp})					- 0.3438%/°C			
Temperature coefficient (I_{sc})					+0.0353%/°C			
Temperature coefficient (V_{oc})					- 0.2722%/°C			
Normal operating cell temperature (NOCT)					44±2°C			
Maximum system voltage (IEC/UL)					1500V _{DC}			
Number of diodes					3			
Junction box IP rating					IP 68			
Maximum series fuse rating					20 A			

* Measurement tolerance +/- 3%
STC: Irradiance 1000W/m², Cell Temperature 25°C, AM=1.5

CURVE



ELECTRICAL SPECIFICATIONS (Integrated power)

P_{mpp} gain	P_{mpp}	V_{mpp}	I_{mpp}	V_{oc}	I_{sc}
5%	352 Wp	34.44 V	10.21 A	40.80 V	10.65 A
10%	369 Wp	34.44 V	10.70 A	40.80 V	11.15 A
15%	385 Wp	34.34 V	11.22 A	40.90 V	11.66 A
20%	402 Wp	34.34 V	11.71 A	40.90 V	12.17 A
25%	419 Wp	34.34 V	12.19 A	40.90 V	12.68 A

Measurement tolerance +/- 3%
Electrical characteristics with different rear power gain (reference to 335W)

PACKING SPECIFICATIONS

① Weight (module only)	21.1 kg / 46.52 lbs
② Packing unit	36 pcs / box
Weight of packing unit (for 40'HQ container)	802 kg / 1768 lbs
Number of modules per 40'HQ container	936 pcs

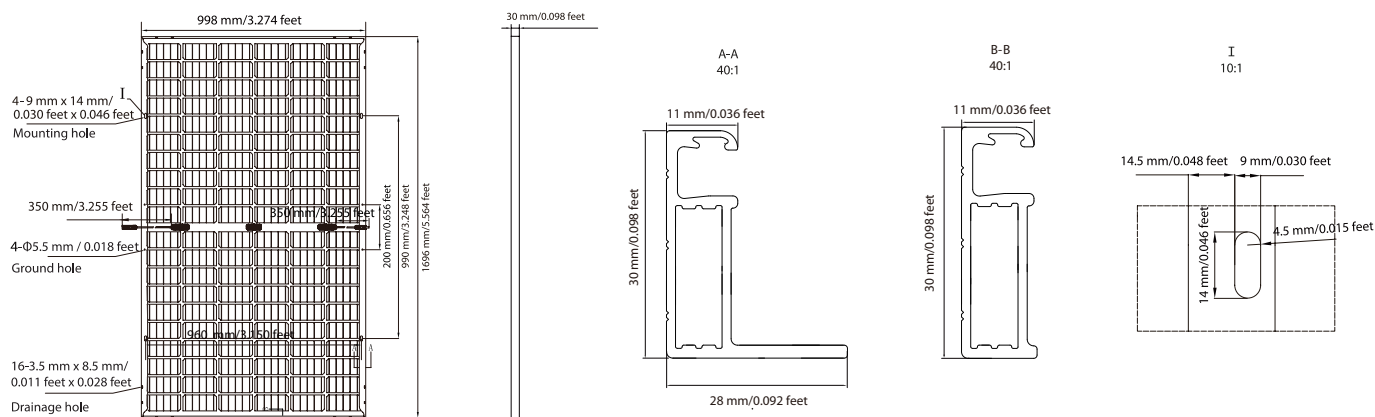
① Tolerance +/- 1.0kg
② Subject to sales contract

MECHANICAL SPECIFICATIONS

Outer dimensions (L x W x H)	1696 x 998 x 30 mm 66.77 x 39.29 x 1.18 in
Module composition	Glass / POE / Glass
Front glass thickness	2.0 mm / 0.079 in
Cable length (IEC/UL)	Portrait: 350 mm (13.78 in) Landscape: 1100 mm (43.31 in)
Cable diameter (IEC/UL)	4 mm ² / 12 AWG
① Maximum mechanical test load	2400 Pa (front) / 2400 Pa (back)
Fire performance (IEC/UL)	Class A (IEC) or Type 3 (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 installation manual or contact technical department.
Maximum Mechanical Test Load=1.5*Maximum Mechanical Design Load.

MODULE DIMENSION DETAILS



Made in Zhejiang, Jiangsu and Anhui of China, Made in Sincan/ Ankara of Turkey
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