

ASTRO 4 Twins

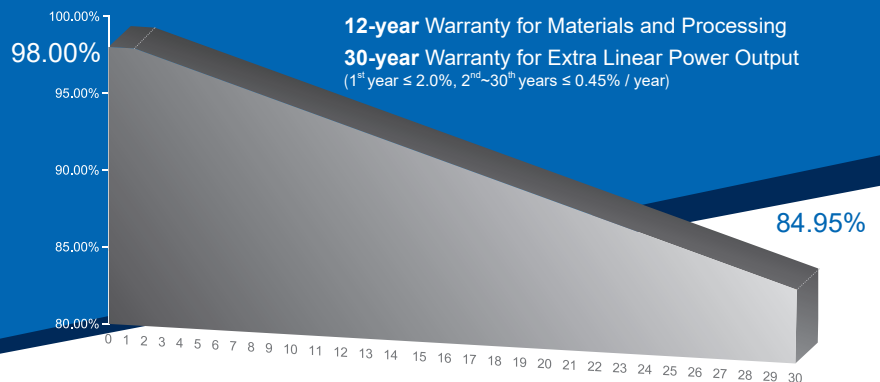
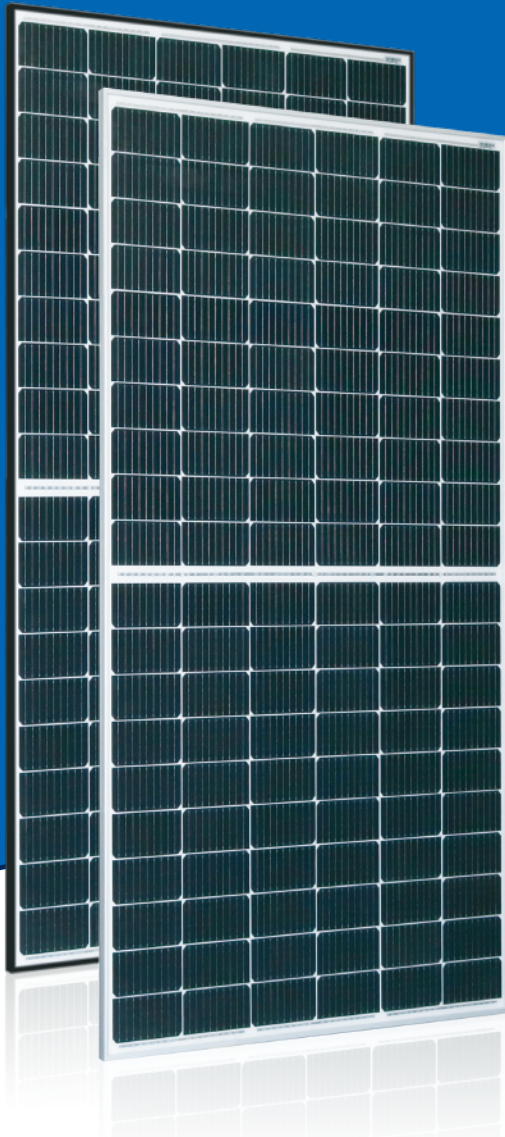
Create Sustainable and Efficient Green Energy

360W~375W

Monocrystalline PV Module

CHSM60M(DG)/F-BH Series (166)

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



KEY FEATURES

- +5W OUTPUT POSITIVE TOLERANCE**
Guaranteed 0~+5W positive tolerance to ensure power output.
- INNOVATIONAL HALF-CUT TECHNOLOGY**
Better shading tolerance, higher reliability.
- INNOVATIONAL MULTI-BUSBAR TECHNOLOGY**
Higher light absorption, lower risk of microcrack.
- SUPER PERC+ CELL TECHNOLOGY**
Higher module power and module efficiency, lower power degradation.
- BIFACIAL POWER**
Up to 25% additional power gain from rear side.
- APPLICABLE FOR MULTI DIFFERENT ENVIRONMENTS**
Wide range of applications, such as snow areas, high humidity areas and strong sandstorm areas, etc.

COMPREHENSIVE CERTIFICATES



Designed for the Australian Market



ASTRONERGY
A CHNT COMPANY

ELECTRICAL SPECIFICATIONS

Power rating (front)	360 Wp		365 Wp		370 Wp		375 Wp	
	Front	Back	Front	Back	Front	Back	Front	Back
STC rated output (P_{mpp}/Wp)	360	252	365	255	370	259	375	262
Rated voltage (V_{mpp}/V) at STC	33.80	34.52	34.11	34.65	34.39	35.00	34.66	35.17
Rated current (I_{mpp}/A) at STC	10.65	7.30	10.70	7.36	10.76	7.40	10.82	7.45
Open circuit voltage (V_{oc}/V) at STC	40.47	39.42	40.74	39.60	41.11	39.97	41.48	40.13
Short circuit current (I_{sc}/A) at STC	11.12	7.99	11.20	8.05	11.25	8.10	11.30	8.16
Module efficiency	19.8%	13.8%	20.0%	14.0%	20.3%	14.2%	20.6%	14.4%
Temperature coefficient (P_{mpp})	- 0.34%/°C							
Temperature coefficient (I_{sc})	+0.035%/°C							
Temperature coefficient (V_{oc})	- 0.27%/°C							
Nominal module operating temperature (NMOT)	41±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

ELECTRICAL SPECIFICATIONS (Integrated power)

P_{mpp} gain	P_{mpp}	V_{mpp}	I_{mpp}	V_{oc}	I_{sc}
5%	388 Wp	34.39 V	11.28 A	41.11 V	11.72 A
10%	407 Wp	34.39 V	11.83 A	41.11 V	12.30 A
15%	425 Wp	34.39 V	12.36 A	41.11 V	12.84 A
20%	444 Wp	34.29 V	12.95 A	41.21 V	13.38 A
25%	462 Wp	34.29 V	13.47 A	41.21 V	13.93 A

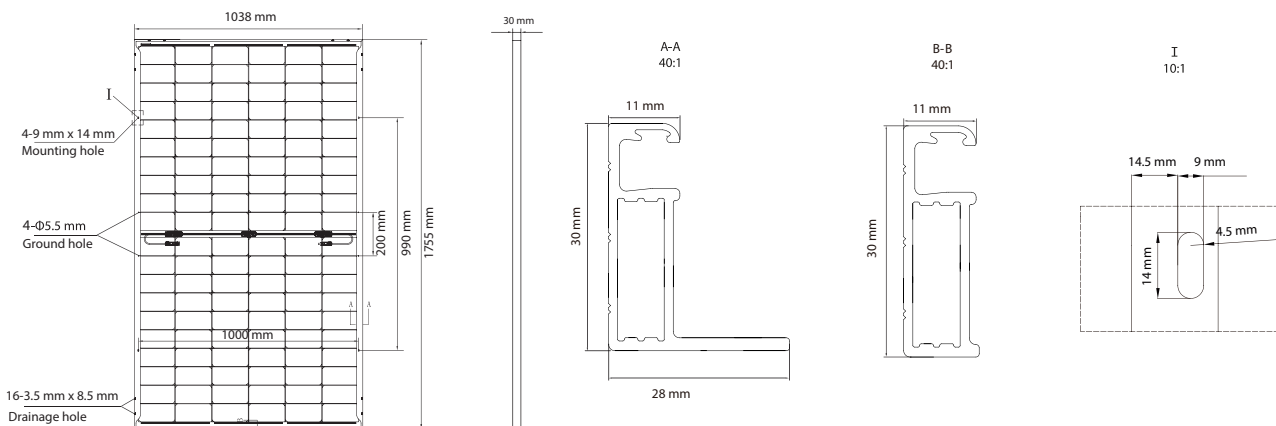
* Measurement tolerance +/- 3%
Electrical characteristics with different rear power gain (reference to 370W)

MECHANICAL SPECIFICATIONS

Outer dimensions (L x W x H)	1755 x 1038 x 30 mm
Frame technology	Aluminum, silver or black anodized
Glass thickness	2.0 mm
Cable length (IEC/UL)	Portrait: 300 mm Landscape: 1200 mm
Cable diameter (IEC/UL)	4 mm ² / 12 AWG
① Maximum mechanical test load	5400 Pa (front) / 2400 Pa (back)
Connector type (IEC/UL)	HCB40 / MC4-EVO2

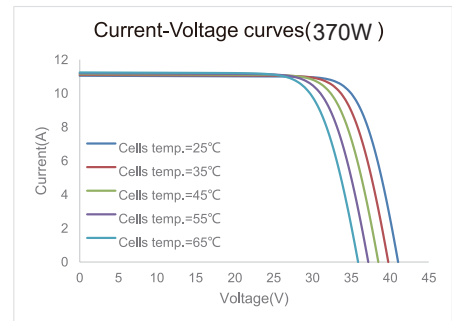
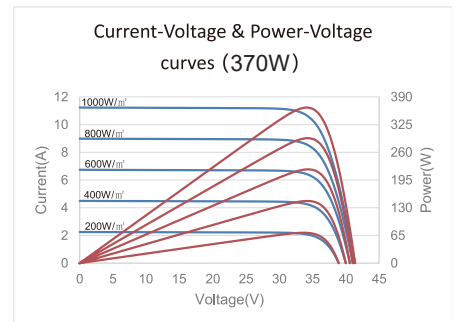
① Refer to Astronergy crystalline installation manual or contact technical department.
Maximum Mechanical Test Load=1.5×Maximum Mechanical Design Load.

MODULE DIMENSION DETAILS



Made in Zhejiang, Jiangsu and Anhui of China, Made in Sincan/ Ankara of Turkey
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<http://www.astronergy.com.au>

CURVE



PACKING SPECIFICATIONS

① Module Weight	23.0 kg
② Packing unit	36 pcs / box
Weight of packing unit (for 40'HQ container)	873 kg
Number of modules per 40'HQ container	936 pcs

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