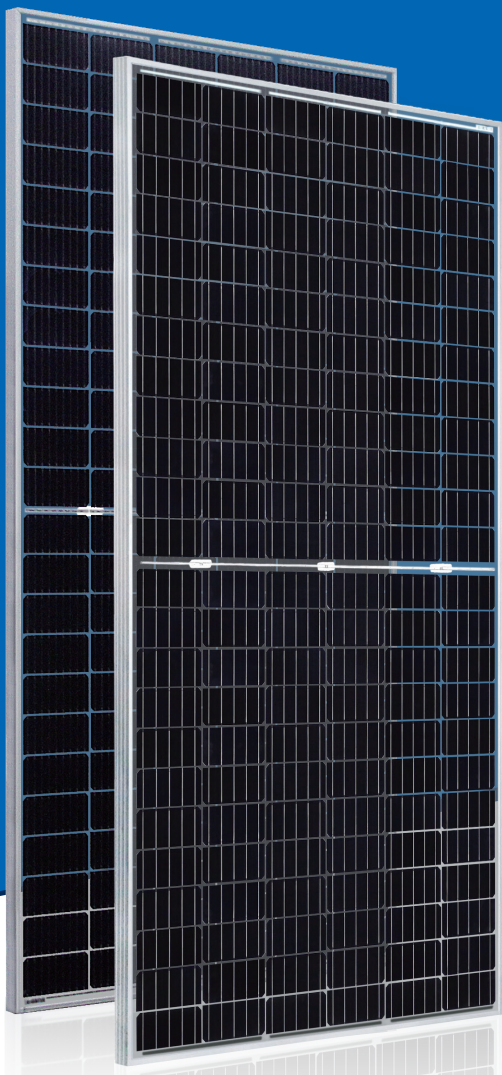


AstroTwins™

Enjoy the Energy of the Universe



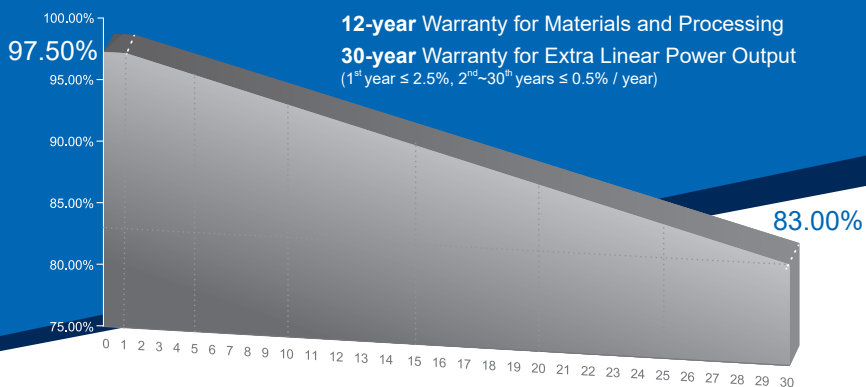
Multi-Busbar Module could be the option

370W~385W

P-type Monocrystalline PV Module

CHSM72M(DGT)/F-BH Series (156.75)

CHSM72M(DGT)/F-BH is bifacial module with high transparent glass



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.

COMPREHENSIVE CERTIFICATES



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

For Global Market



ASTRONERGY
A CHNT COMPANY

ELECTRICAL SPECIFICATIONS								
Power rating (front)	370 Wp		375 Wp		380 Wp		385 Wp	
Testing Condition	Front	Back	Front	Back	Front	Back	Front	Back
STC rated output (P_{mpp}/Wp)*	370	278	375	281	380	285	385	289
Rated voltage (V_{mpp}/V) at STC	39.55	40.08	39.77	40.31	40.00	40.54	40.23	40.77
Rated current (I_{mpp}/A) at STC	9.36	6.93	9.43	6.98	9.50	7.03	9.57	7.08
Open circuit voltage (V_{oc}/V) at STC	47.26	45.84	47.44	46.02	47.62	46.19	47.80	46.37
Short circuit current (I_{sc}/A) at STC	9.81	7.26	9.89	7.32	9.97	7.38	10.05	7.44
Module efficiency	18.4%	13.8%	18.6%	14.0%	18.9%	14.2%	19.1%	14.3%
Temperature coefficient (P_{mpp})	- 0.3528%/°C							
Temperature coefficient (I_{sc})	+0.0400%/°C							
Temperature coefficient (V_{oc})	- 0.2769%/°C							
Nominal module operating temperature (NMOT)	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							

STC: Irradiance 1000W/m², Cell Temperature 25°C, AM=1.5

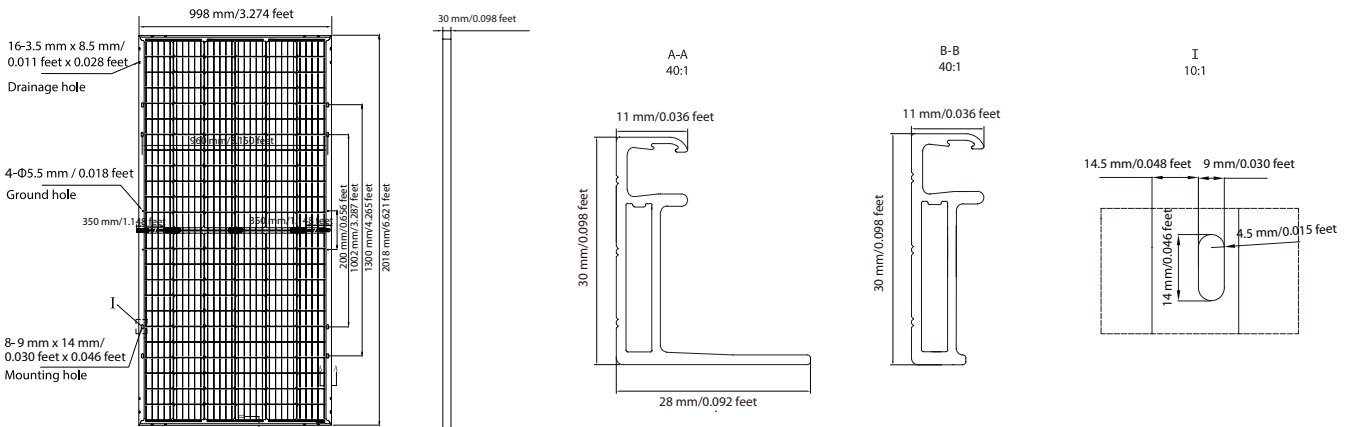
ELECTRICAL SPECIFICATIONS (Integrated power)					
P_{mpp} gain	P_{mpp}	V_{mpp}	I_{mpp}	V_{oc}	I_{sc}
5%	399 Wp	40.00 V	9.98 A	47.62 V	10.47 A
10%	418 Wp	40.00 V	10.45 A	47.62 V	10.97 A
15%	437 Wp	39.90 V	10.95 A	47.72 V	11.47 A
20%	456 Wp	39.90 V	11.43 A	47.72 V	11.96 A
25%	475 Wp	39.90 V	11.90 A	47.72 V	12.46 A

Electrical characteristics with different rear power gain (reference to 380W)

MECHANICAL SPECIFICATIONS	
Outer dimensions (L x W x H)	2018 x 998 x 30 mm 79.45 x 39.29 x 1.18 in
Module composition	Glass / POE / Glass
Glass thickness	2.5 mm / 0.098 in
Cable length (IEC/UL)	Portrait: 350 mm (13.78 in) Landscape: 1200 mm (47.24 in)
Cable diameter (IEC/UL)	4 mm ² / 12 AWG
① Maximum mechanical test load	5400 Pa (front) / 2400 Pa (back)
Fire performance (IEC/UL)	Class A (IEC) or Type 3 (UL)
Connector type (IEC/UL)	MC4 compatible

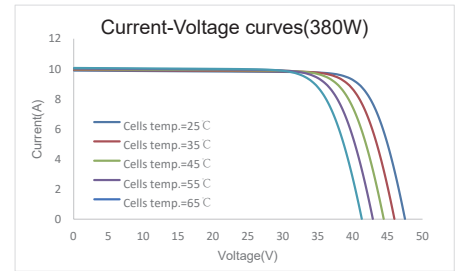
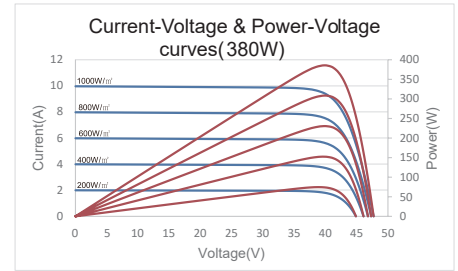
① Refer to Astronergy crystalline installation manual or contact technical department.
Maximum Mechanical Test Load=1.5×Maximum Mechanical Design Load.

MODULE DIMENSION DETAILS



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CURVE



PACKING SPECIFICATIONS

① Weight (module only)	30.1 kg / 66.36 lbs
② Packing unit	36 pcs / box
Weight of packing unit (for 40'HQ container)	1131 kg / 2493 lbs
Number of modules per 40'HQ container	792 pcs

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