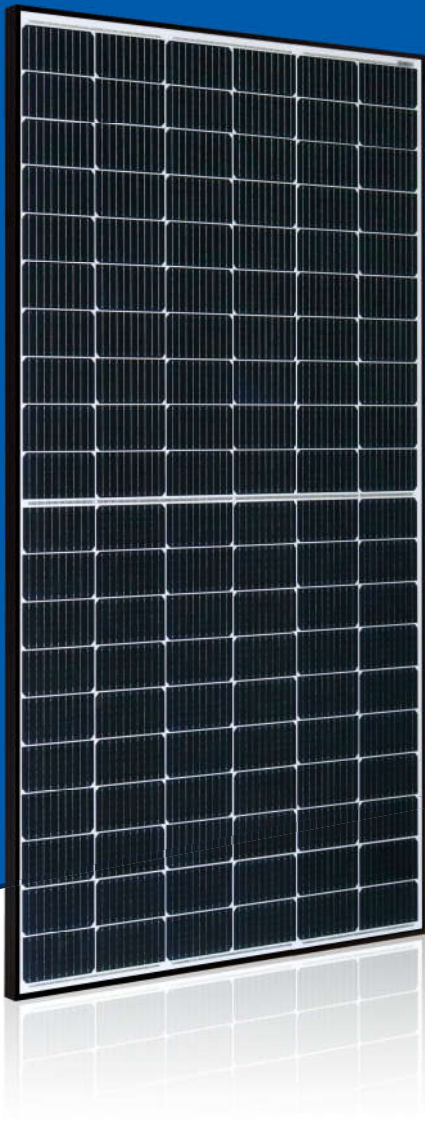


AstroSemi™

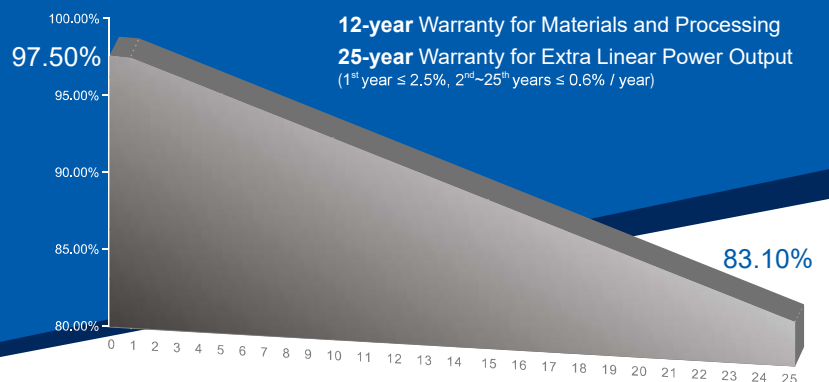
Incredible Power for Small Body



365W~375W

Monocrystalline PV Module

CHSM60M-HC Series (166)



KEY FEATURES

- +5W OUTPUT POSITIVE TOLERANCE**
Guaranteed 0~+5W positive tolerance ensures power output reliability.
- INNOVATIONAL HALF-CELL TECHNOLOGY**
Improves the module output, decreases the risk of micro-crack, enhances the module reliability.
- INNOVATIVE PERC CELL TECHNOLOGY**
Excellent cell efficiency and output.
- REDUCE SHADOW LOSS**
Effectively reduces the effect of shadow on the module surface.
- REDUCE INTERNAL MISMATCH LOSS**
Reduces mismatch loss and improves output.
- 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℃ /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.

For Global Market



ASTRONERGY
A CHNT COMPANY

ELECTRICAL SPECIFICATIONS		CURVE	
STC rated output (P _{max})*	275 Wp	370 Wp	375 Wp
Rated voltage (V _{mppt}) at STC	31.73 V	33.98 V	34.28 V
Rated current (I _{mppt}) at STC	8.62 A	10.89 A	10.94 A
Open circuit voltage (V _{oc}) at STC	41.41 V	40.73 V	41.05 V
Short circuit current (I _{sc}) at STC	11.29 A	11.36 A	11.42 A
Module efficiency	19.7%	20.8%	20.3%
Rated output (P _{max}) at NMOT	272.2 Wp	275.9 Wp	279.6 Wp
Rated voltage (V _{mppt}) at NMOT	31.45 V	31.68 V	31.96 V
Rated current (I _{mppt}) at NMOT	8.66 A	8.71 A	8.75 A
Open circuit voltage (V _{oc}) at NMOT	37.99 V	38.31 V	38.69 V
Short circuit current (I _{sc}) at NMOT	11.08 A	9.16 A	9.18 A
Temperature coefficient (P _{mppt})		-0.34%/°C	
Temperature coefficient (V _{oc})		+0.055%/°C	
Temperature coefficient (I _{sc})		+0.072%/°C	
Nominal module operating temperature (NMOT)		44±21°C	
Maximum system voltage (IEC/UL)		1500 _{DC}	
Number of diodes		3	
Junction box IP rating		IP68	
Maximum series fuse rating		25 A	

MECHANICAL SPECIFICATIONS		PACKING SPECIFICATIONS	
Outer dimensions (L x W x H)	1765 x 1048 x 35 mm 69.49 x 41.26 x 1.38 in	¹ Weight (module only)	20.0 kg / 44.09 lbs
Frame technology	Aluminum, black anodized	Packing unit	31 pcs / box
Weight (module)	10.5 kg	Weight of packing unit	240.0 kg

QUALITY ASSURANCE

1. Weight of packing unit includes weight of modules, junction boxes, cables, and other accessories.

2. Weight of module only is based on the weight of the module without the junction box, cables, and other accessories.

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