

For Global Market



# Datasheet

## Crystalline PV Module

### CHSM6610P Series

EN

245	250	255	260	265
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ELECTRICAL SPECIFICATIONS					
STC rated output ( $P_{mpp}$ ) <sup>①</sup>	245 Wp	250 Wp	255 Wp	260 Wp	265 Wp
PTC rated output ( $P_{mpp}$ ) <sup>②</sup>	226.1 Wp	230.8 Wp	235.5 Wp	240.3 Wp	245.0 Wp
Standard sorted output	0/+5 Wp				
Warranted power output STC ( $P_{nominal}$ )	245 Wp	250 Wp	255 Wp	260 Wp	265 Wp
Rated voltage ( $V_{mpp}$ ) at STC	29.92 V	30.30 V	30.68 V	31.05 V	31.43 V
Rated current ( $I_{mpp}$ ) at STC	8.20 A	8.27 A	8.33 A	8.39 A	8.46 A
Open circuit voltage ( $V_{oc}$ ) at STC	37.98 V	38.19 V	38.40 V	38.53 V	38.72 V
Short circuit current ( $I_{sc}$ ) at STC	8.62 A	8.65 A	8.69 A	8.72 A	8.75 A
Module efficiency	15.0%	15.3%	15.6%	15.9%	16.2%
Rated output ( $P_{mpp}$ ) at NOCT	183.8 Wp	187.5 Wp	191.3 Wp	195.0 Wp	198.8 Wp
Rated voltage ( $V_{mpp}$ ) at NOCT	27.06 V	27.37 V	27.73 V	28.08 V	28.38 V
Rated current ( $I_{mpp}$ ) at NOCT	6.79 A	6.85 A	6.90 A	6.95 A	7.00 A
Open circuit voltage ( $V_{oc}$ ) at NOCT	34.70 V	34.89 V	35.08 V	35.20 V	35.37 V
Short circuit current ( $I_{sc}$ ) at NOCT	7.26 A	7.28 A	7.32 A	7.34 A	7.37 A
Temperature coefficient ( $P_{mpp}$ )	- 0.407%/K	Maximum system voltage (UL/IEC) 1000 V <sub>DC</sub> ***			
Temperature coefficient ( $I_{sc}$ )	+0.049%/K	Number of diodes 6 (or 3)			
Temperature coefficient ( $I_{mpp}$ )	- 0.000%/K	Maximum series fuse rating 15 A			
Temperature coefficient ( $V_{mpp}$ )	- 0.408%/K	*** Option: 1500VDC for special requirement in advance			
Temperature coefficient ( $V_{oc}$ )	- 0.310%/K				
Normal operating cell temperature (NOCT)	43±2°C				

① Measurement tolerance +/- 3%  
 ② Estimated



A CHNT COMPANY



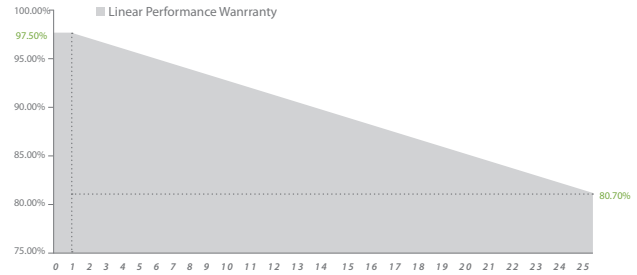
ASTRONERGY

RELATED PARAMETERS	
Cell type	polycrystalline
Number of cells / cell arrangement	60 / 6 x 10
Cells dimension	6"
Packing unit	25 modules
Weight of packing unit	508 kg / 1120 lbs

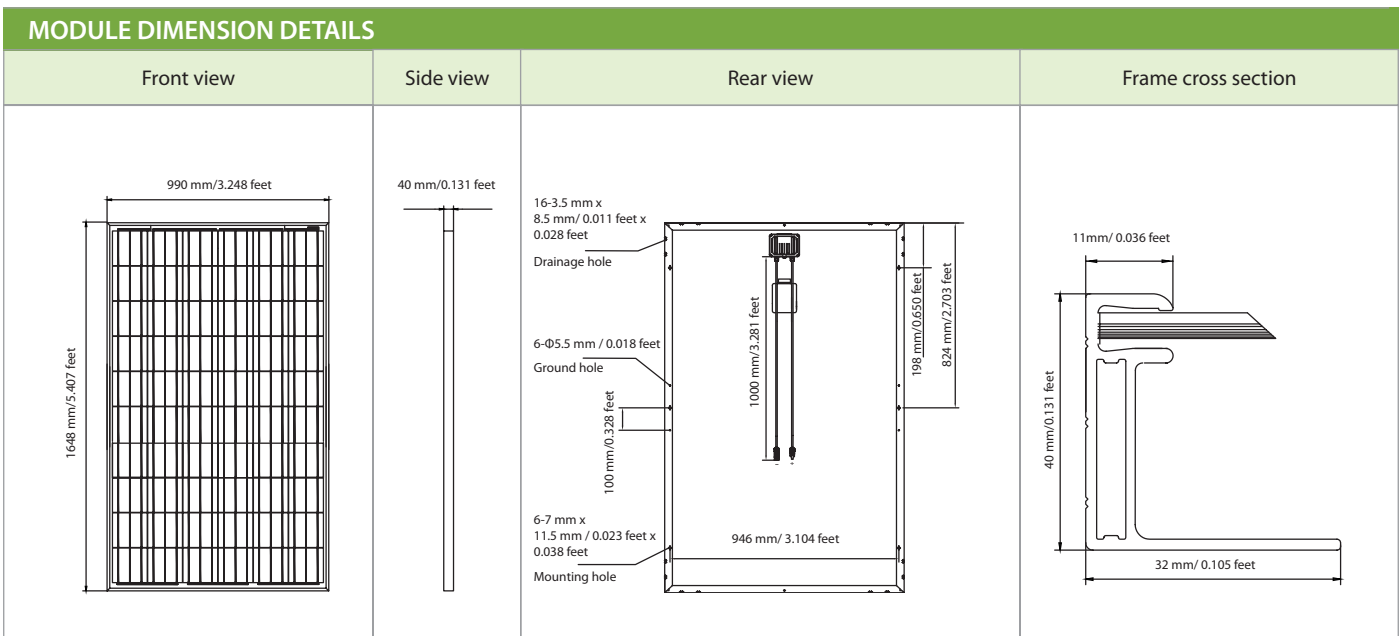
MECHANICAL SPECIFICATIONS	
Outer dimensions (L x W x H)	1648 x 990 x 40 mm 64.88 x 38.98 x 1.57 in
Frame technology	Aluminum, silver anodized
Module composition	Glass / EVA / Backsheet (white)
Weight (module only)	18.4 kg / 40.57 lbs
Front glass thickness	3.2 mm / 0.13 in
Junction box IP rating	IP 65 (above)
* Cable length (UL/IEC)	1000 mm / 39.37 in
Cable diameter (UL/IEC)	12 AWG / 4 mm <sup>2</sup>
Maximum load capacity	5400 Pa
Fire performance (UL/IEC)	Type 1 (UL) or Class C (IEC)
Connector type (UL/IEC)	MC type 4 compatible

\* Option: 900(+) mm/600(-) mm for defined projects in advance.

QUALIFICATION AND LINEAR WARRANTIES	
Product standard	IEC 61215, 61730 / UL 1703
Extended product warranty	10 years
Output decline 2.5%/year performance P <sub>mpp</sub> (STC)	1 <sup>st</sup> year
Output decline 0.7%/year performance P <sub>mpp</sub> (STC)	2 <sup>nd</sup> - 25 <sup>th</sup> years



ARTICLE NUMBER (per panel)-CHSM6610P Series		
Model	Article No. (IEC)	Article No. (UL)
CHSM6610P-245	200478	200483
CHSM6610P-250	200479	200484
CHSM6610P-255	200480	200485
CHSM6610P-260	200481	200486
CHSM6610P-265	200482	200487



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