



Datasheet

Crystalline PV Module

Baseline CHSM6610P Series

EN

245	250	255	260	265
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ELECTRICAL SPECIFICATIONS

STC rated output (P_{mpp})*	245 Wp	250 Wp	255 Wp	260 Wp	265 Wp
PTC rated output (P_{mpp} **)	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 _{DC} ***			
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				

* Measurement tolerance +/- 3%
 ** Estimated



RELATED PARAMETERS

Cell type	polycrystalline
Number of cells / cell arrangement	60 / 6 x 10
Cells dimension	6"
Packing unit	28 modules
Weight of packing unit	553 kg / 1219 lbs

MECHANICAL SPECIFICATIONS

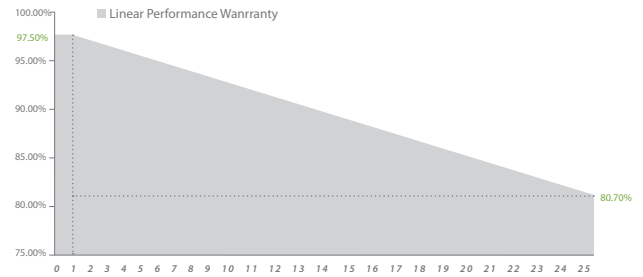
Outer dimensions (L x W x H)	1648 x 990 x 35 mm 64.88 x 38.98 x 1.38 in
Frame technology	Aluminum, silver anodized
Module composition	Glass / EVA / Backsheet (white)
Weight (module only)	18.0 kg / 39.68 lbs
Front glass thickness	3.2 mm / 0.13 in
Junction box IP rating	IP 65 (above)
* Cable length (UL/IEC)	1000 mm / 39.37 in
Cable diameter (UL/IEC)	12 AWG / 4 mm ²
**Maximum load capacity	2400 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.

** Only limit to portrait direction specified in Astronergy crystalline installation manual.

QUALIFICATION AND LINEAR WARRANTIES

Product standard	IEC 61215, 61730 / UL 1703
Extended product warranty	10 years
Output decline 2.5%/year performance P _{mpp} (STC)	1 st year
Output decline 0.7%/year performance P _{mpp} (STC)	2 nd - 25 th years



ARTICLE NUMBER (per panel)-CHSM6610P Series

Model	Article No. (IEC)	Article No. (UL)
CHSM6610P-245	200468	200473
CHSM6610P-250	200469	200474
CHSM6610P-255	200470	200475
CHSM6610P-260	200471	200476
CHSM6610P-265	200472	200477

MODULE DIMENSION DETAILS

Front view	Side view	Rear view	Frame cross section
		<p>16-3.5 mm x 8.5 mm / 0.011 feet x 0.028 feet Drainage hole</p> <p>6-Ø5.5 mm / 0.018 feet Ground hole</p> <p>100 mm / 0.328 feet</p> <p>6-7 mm x 11.5 mm / 0.023 feet x 0.038 feet Mounting hole</p>	

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