



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})**	223.2 Wp	227.9 Wp	232.5 Wp	237.2 Wp	241.8 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	14.9%	15.2%	15.5%	15.8%	16.1%
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})	- 0.47%/K				
Temperature coefficient (I_{sc})	+0.052%/K				
Temperature coefficient (I_{mpp})	- 0.008%/K				
Temperature coefficient (V_{mpp})	- 0.463%/K				
Temperature coefficient (V_{oc})	- 0.344%/K				
Normal operating cell temperature (NOCT)	43±2°C				
Maximum system voltage (UL/IEC)	1000 V _{dc}				
Number of diodes	6 (or 3)				
Maximum series fuse rating	15 A				

* 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	585 kg / 1287 lbs

MECHANICAL SPECIFICATIONS

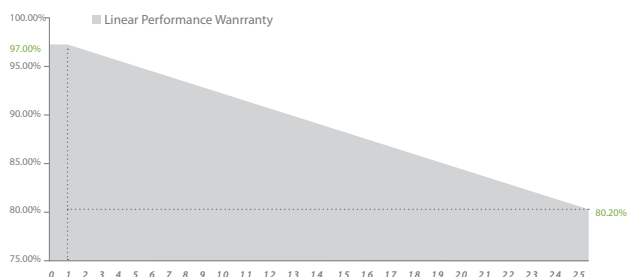
Outer dimensions (L x W x H)	1652 x 994 x 35 mm 65.04 x 39.13 x 1.38 in
Frame technology	Aluminum, silver anodized
Module composition	Glass / EVA / Backsheet (white)
Weight (module only)	19 kg / 41.8 lbs
Front glass thickness	3.2 mm / 0.13 in
Junction box IP rating	IP 65 (above)
① Cable length (UL / IEC)	600 mm / 23.62 in (minus) 900 mm / 35.43 in (plus)
Cable diameter (UL / IEC)	12 AWG / 4 mm ²
② Maximum load capacity	5400 Pa
Fire class	C
Connector type (UL/IEC)	MC type 4 compatible

① Option: 1000 mm for defined projects in advance.

② Only limit to clamping method in portrait specified in Astronergy crystalline installation manual.

QUALIFICATION AND LINEAR WARRANTIES

Product standard	IEC61215, 61730 / UL 1703
Extended product warranty	10 years
Output decline 3%/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)-Baseline CHSM6610P Series

Model	Article No. (IEC)	Article No. (UL)
CHSM6610P-245	200092	200100
CHSM6610P-250	200093	200101
CHSM6610P-255	200158	200159
CHSM6610P-260	200207	200208
CHSM6610P-265	200356	200357

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>4-Φ5.5 mm / 0.018 feet Ground hole</p> <p>100 mm/0.328 feet</p> <p>600 mm/1.969 feet</p> <p>900 mm/2.953 feet</p> <p>826 mm/2.710 feet</p> <p>○ No mounting holes on the frame.</p>	

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