

Datasheet

Crystalline PV Module

Baseline CHSM6610P Series

245

250

255

260

265

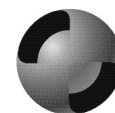
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ELECTRICAL SPECIFICATIONS

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	240.2 Wp	244.9Wp
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})	- 0.407%/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				
Temperature coefficient (V _{oc})	- 0.310%/K				
Normal operating cell temperature (NOCT)	43±2°C				

* Measurement tolerance +/- 3%

** Estimated



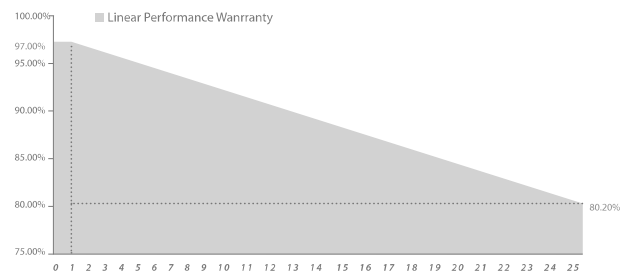
RELATED PARAMETERS	
Cell type	polycrystalline
Number of cells / cell arrangement	60 / 6 x10
Cells dimension	6"
Packing unit	28 modules
Weight of packing unit	585 kg / 1287 lbs

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)	1000 mm/39.37 in
Cable diameter (UL/ IEC)	12 AWG /4 mm ²
^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

^① Option: 900(+)/mm/600(-)mm for defined projects in advance.

^② Only limit to portrait direction 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

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