

Datasheet

Crystalline PV Module

CHSM6612P(BL) Series

300

305

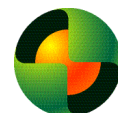
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ELECTRICAL SPECIFICATIONS

STC rated output (P_{mpp})*	300 Wp	305 Wp	
PTC rated output (P_{mpp})**	273.2 Wp	277.8 Wp	
Standard sorted output	0/+5 Wp		
Warranted power output STC ($P_{nominal}$)	300 Wp	305 Wp	
Rated voltage (V_{mpp}) at STC	35.74 V	35.77 V	
Rated current (I_{mpp}) at STC	8.40 A	8.53 A	
Open circuit voltage (V_{oc}) at STC	45.16 V	45.29 V	
Short circuit current (I_{sc}) at STC	8.91 A	8.95 A	
Module efficiency	15.4%	15.7%	
Rated output (P_{mpp}) at NOCT	209.5 Wp	213.0 Wp	
Rated voltage (V_{mpp}) at NOCT	32.63 V	32.67 V	
Rated current (I_{mpp}) at NOCT	6.42 A	6.52 A	
Open circuit voltage (V_{oc}) at NOCT	41.44 V	41.56 V	
Short circuit current (I_{sc}) at NOCT	6.89 A	6.92 A	
Temperature coefficient (P_{mpp})	- 0.408%/K	Maximum system voltage (UL/IEC)	1000 V _{DC}
Temperature coefficient (I_{sc})	+0.050%/K	Number of diodes	6 (or 3)
Temperature coefficient (I_{mpp})	- 0.003%/K	Maximum series fuse rating	15 A
Temperature coefficient (V_{mpp})	- 0.406%/K		
Temperature coefficient (V_{oc})	- 0.311%/K		
Normal operating cell temperature (NOCT)	46±2°C		

* Measurement tolerance +/- 3%

** Estimated

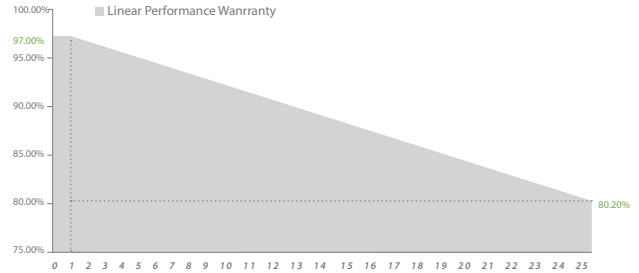


RELATED PARAMETERS	
Cell type	polycrystalline
Number of cells / cell arrangement	72 / 6 x 12
Cells dimension	6"
Packing unit	20 modules
Weight of packing unit	528 kg / 1162 lbs

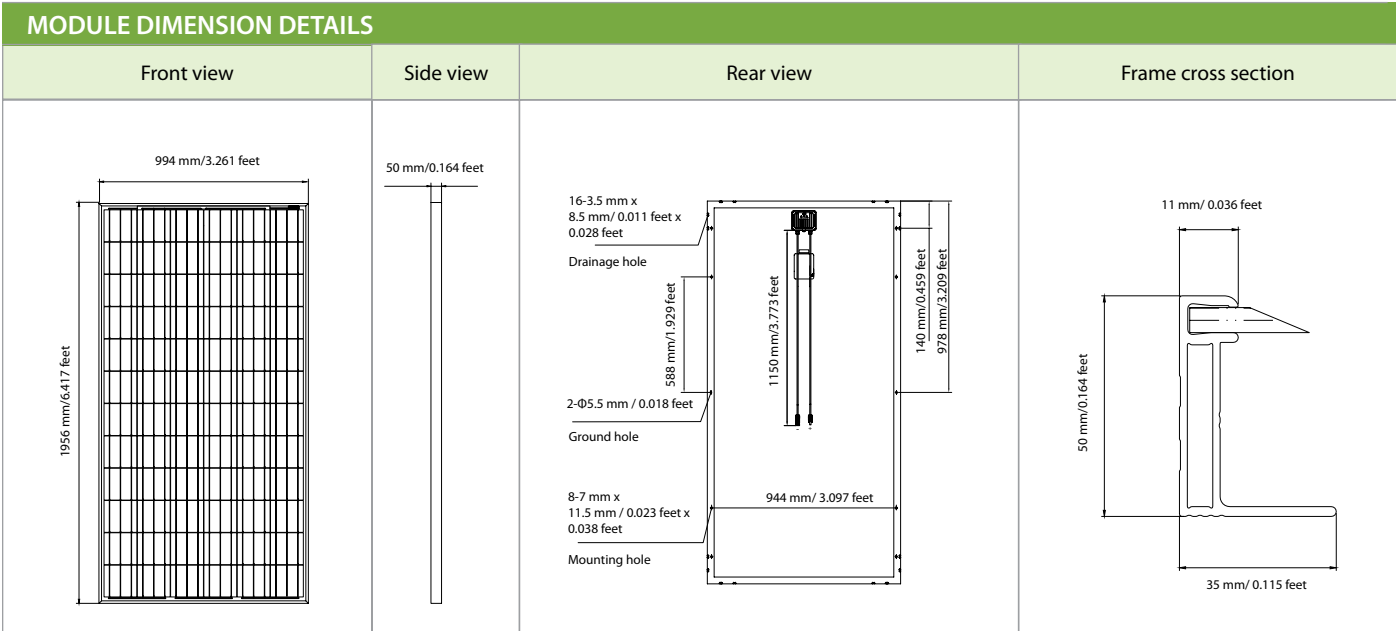
MECHANICAL SPECIFICATIONS	
Outer dimensions (L x W x H)	1956 x 994 x 50 mm 77.01 x 39.13 x 1.97 in
Frame technology	Aluminum, black anodized
Module composition	Glass / EVA / Backsheet (black)
Weight (module only)	23.5 kg / 51.7 lbs
Front glass thickness	3.2 mm / 0.13 in
Junction box IP rating	IP 65 (above)
*Cable length (UL/IEC)	1150 mm / 45.28 in
Cable diameter (UL/IEC)	12 AWG / 4 mm ²
Maximum load capacity	5400 Pa
Fire performance (UL/IEC)	Type 1 / Class C
Connector type (UL/IEC)	MC type 4 compatible

* Option: 1000 mm for defined projects in advance.

QUALIFICATION AND LINEAR WARRANTIES	
Product standard	IEC 61215, 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)-CHSM6612P(BL) Series	
Model	Article No. (IEC)
CHSM6612P(BL)-300	200209
CHSM6612P(BL)-305	200210



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