



Datasheet

Crystalline PV Module

CHSM6610P (BL) Series

EN

240	245	250	255
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ELECTRICAL SPECIFICATIONS				
STC rated output (P_{mpp})*	240 Wp	245 Wp	250 Wp	255 Wp
PTC rated output (P_{mpp})**	218.5 Wp	223.2 Wp	227.9 Wp	232.5 Wp
Standard sorted output	0/+5 Wp			
Warranted power output STC ($P_{mpp\ min}$)	240 Wp	245 Wp	250 Wp	255 Wp
Rated voltage (V_{mpp}) at STC	29.54 V	29.92 V	30.30 V	30.68 V
Rated current (I_{mpp}) at STC	8.13 A	8.20 A	8.27 A	8.33 A
Open circuit voltage (V_{oc}) at STC	37.77 V	37.98 V	38.19 V	38.40 V
Short circuit current (I_{sc}) at STC	8.59 A	8.62 A	8.65 A	8.69 A
Module efficiency	14.6%	14.9%	15.2%	15.5%
Rated output (P_{mpp}) at NOCT	180.0 Wp	183.8 Wp	187.5 Wp	191.25 Wp
Rated voltage (V_{mpp}) at NOCT	26.75 V	27.06 V	27.37 V	27.73 V
Rated current (I_{mpp}) at NOCT	6.73 A	6.79 A	6.85 A	6.90 A
Open circuit voltage (V_{oc}) at NOCT	34.50 V	34.70 V	34.89 V	35.08 V
Short circuit current (I_{sc}) at NOCT	7.23 A	7.26 A	7.28 A	7.32 A
Temperature coefficient (P_{mpp})	-0.47%/K	Maximum system voltage (UL/IEC) 1000 Vdc		
Temperature coefficient (I_{sc})	+0.052%/K	Number of diodes 6 (or 3)		
Temperature coefficient (I_{mpp})	-0.008%/K	Maximum series fuse rating 15 A		
Temperature coefficient (V_{mpp})	-0.463%/K			
Temperature coefficient (V_{oc})	-0.344%/K			
Normal operating cell temperature (NOCT)	43±2°C			

* Measurement tolerance +/- 3%
 ** Estimated



RELATED PARAMETERS

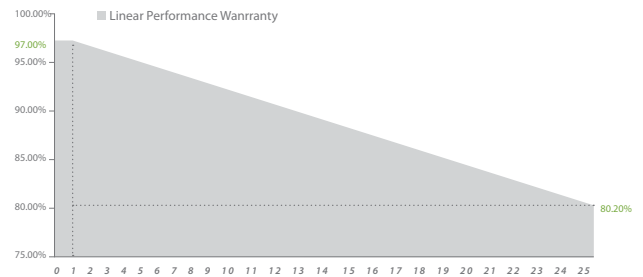
Cell type	polycrystalline
Number of cells / cell arrangement	60 / 6 x 10
Cells dimension	6"
Packing unit	25 modules
Weight of packing unit	530 kg / 1166 lbs

MECHANICAL SPECIFICATIONS

Outer dimensions (L x W x H)	1652 x 994 x 40 mm 65.04 x 39.13 x 1.57 in
Frame technology	Aluminum, black anodized
Module composition	Glass / EVA / Backsheet (black)
Weight (module only)	19.5 kg / 42.9 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	5400 Pa
Fire class	C
Connector type (UL/IEC)	MC type 4 compatible

QUALIFICATION AND LINEAR WARRANTIES

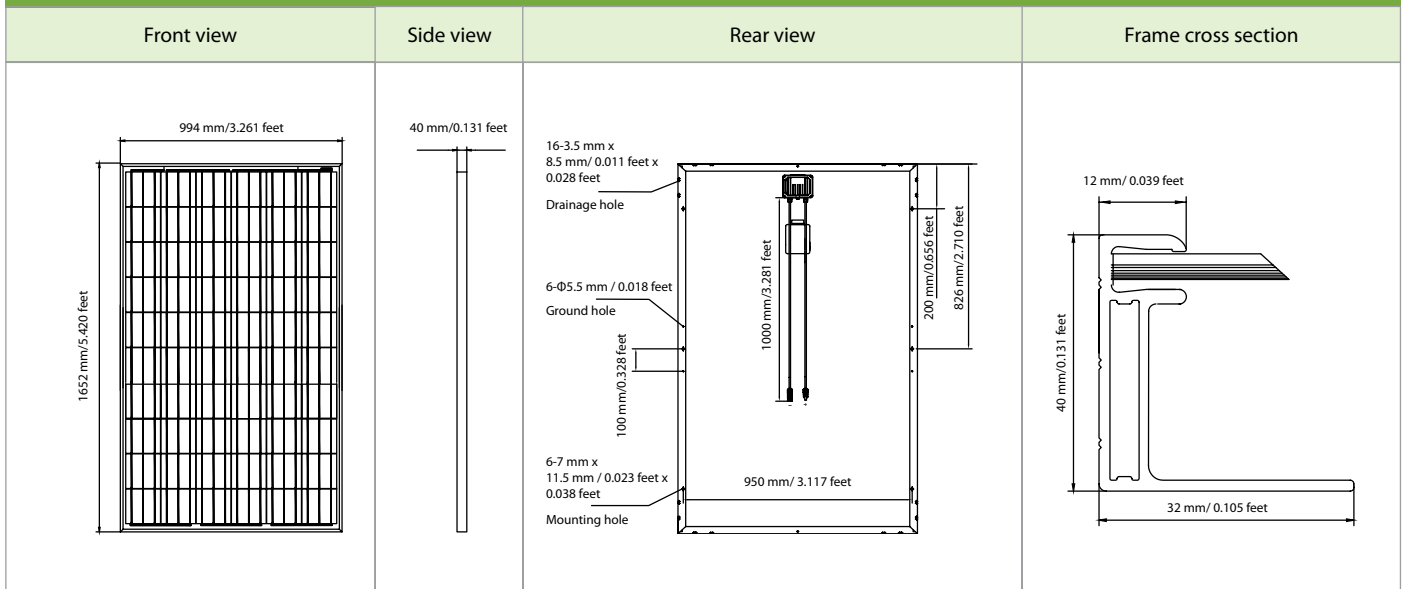
Product standard	IEC 61215, 61730 / UL 1703
Extended product warranty	10 years
Output decline 3%/year performance P _{mpp} (STC)	1 st year
Output decline 0.7%/year performance P _{mpp} (STC)	2 nd ~ 25 th years



ARTICLE NUMBER (per panel)- CHSM6610P (BL) Series

Model	Article No. (IEC)	Article No. (UL)
CHSM6610P (BL)-240	200235	200241
CHSM6610P (BL)-245	200236	200242
CHSM6610P (BL)-250	200237	200243
CHSM6610P (BL)-255	200238	200244

MODULE DIMENSION DETAILS



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