

Datasheet

Crystalline PV Module

CHSM5612M Series

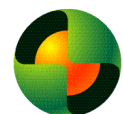
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195	200	205	210
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ELECTRICAL SPECIFICATIONS

STC rated output (P _{mpp})*	195 Wp	200 Wp	205 Wp	210 Wp
PTC rated output (P _{mpp})**	173.5 Wp	178.0 Wp	181.6 Wp	186.2 Wp
Standard sorted output	0/+5 Wp			
Warranted power output STC (P _{nominal})	195 Wp	200 Wp	205 Wp	210 Wp
Rated voltage (V _{mpp}) at STC	37.10 V	37.46 V	37.83 V	38.19 V
Rated current (I _{mpp}) at STC	5.25 A	5.34 A	5.42 A	5.50 A
Open circuit voltage (V _{oc}) at STC	45.62 V	45.87 V	46.11 V	46.36 V
Short circuit current (I _{sc}) at STC	5.55 A	5.63 A	5.71 A	5.79 A
Module efficiency	15.3%	15.7%	16.1%	16.5%
Rated output (P _{mpp}) at NOCT	129.6 Wp	133.0 Wp	136.3 Wp	139.6 Wp
Rated voltage (V _{mpp}) at NOCT	33.15 V	33.41 V	33.76 V	34.06 V
Rated current (I _{mpp}) at NOCT	3.91 A	3.98 A	4.04 A	4.10 A
Open circuit voltage (V _{oc}) at NOCT	40.91 V	41.13 V	41.35 V	41.57 V
Short circuit current (I _{sc}) at NOCT	4.22 A	4.28 A	4.34 A	4.40 A
Temperature coefficient (P _{mpp})	- 0.48%/K	Maximum system voltage (UL/IEC)		1000 V _{dc}
Temperature coefficient (I _{sc})	+0.062%/K	Number of diodes		6 (or 3)
Temperature coefficient (I _{mpp})	- 0.022%/K	Maximum series fuse rating		10 A
Temperature coefficient (V _{mpp})	- 0.462%/K			
Temperature coefficient (V _{oc})	- 0.355%/K			
Normal operating cell temperature (NOCT)	48±2°C			

* Measurement tolerance +/- 3%
 ** Estimated



RELATED PARAMETERS

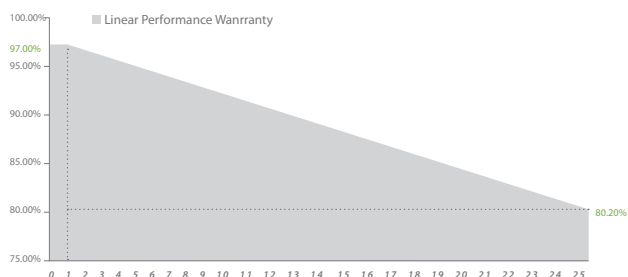
Cell type	monocrystalline
Number of cells / cell arrangement	72 / 6 x 12
Cells dimension	5"
Packing unit	28 modules
Weight of packing unit	460 kg / 1020 lbs

MECHANICAL SPECIFICATIONS

Outer dimensions (L x W x H)	1580 x 808 x 35 mm 62.20 x 31.81 x 1.38 in
Frame technology	Aluminum, silver anodized
Module composition	Glass / EVA / Backsheet (white)
Weight (module only)	15.0 kg / 33.0 lbs
Front glass thickness	3.2 mm / 0.13 in
Junction box IP rating	IP 65 (above)
Cable length / diameter (UL)	1000 mm / 39.37 in / 12 AWG
Cable length / diameter (IEC)	1000 mm / 39.37 in / 4 mm ²
Maximum load capacity	5400 Pa
Fire performance (UL/IEC)	Type 1 (UL) or Class C (IEC)
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)-CHSM5612M Series

Model	Article No. (IEC)	Article No. (UL)
CHSM5612M-195	100151	100156
CHSM5612M-200	100237	100238
CHSM5612M-205	100263	100265
CHSM5612M-210	100264	100266

MODULE DIMENSION DETAILS

Front view	Side view	Rear view	Frame cross section

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