



Datasheet

Crystalline PV Module

CHSM6610M Series

225

230

235

240

245

ELECTRICAL SPECIFICATIONS

STC rated output (P _{mpp})*	225 Wp	230 Wp	235 Wp	240 Wp	245 Wp
PTC rated output (P _{mpp})**	200.1 Wp	204.7 Wp	209.2 Wp	213.8 Wp	218.4 Wp
Standard sorted output	-0/+5 Wp				
Warranted power output STC (P _{mpp min})	225 Wp	230 Wp	235 Wp	240 Wp	245 Wp
Rated voltage (V _{mpp}) at STC	28.66 V	29.03 V	29.39 V	29.75 V	30.12 V
Rated current (I _{mpp}) at STC	7.86 A	7.93 A	8.01 A	8.08 A	8.16 A
Open circuit voltage (V _{oc}) at STC	37.33 V	37.48 V	37.63 V	37.78 V	37.94 V
Short circuit current (I _{sc}) at STC	8.48 A	8.52 A	8.55 A	8.58 A	8.61 A
Module efficiency	13.7%	14.0%	14.3%	14.6%	14.9%
Rated output (P _{mpp}) at NOCT	163.1 Wp	166.7 Wp	170.3 Wp	173.9 Wp	177.6 Wp
Rated voltage (V _{mpp}) at NOCT	25.59 V	25.92 V	26.22 V	26.55 V	26.84 V
Rated current (I _{mpp}) at NOCT	6.37 A	6.43 A	6.49 A	6.55A	6.62 A
Open circuit voltage (V _{oc}) at NOCT	33.97 V	34.11 V	34.25 V	34.38 V	34.53 V
Short circuit current (I _{sc}) at NOCT	7.00 A	7.03 A	7.06 A	7.08 A	7.11 A
Temperature coefficient (P _{mpp})	- 0.469%/K	Maximum system voltage SCII			1000 V _{DC}
Temperature coefficient (I _{sc})	+0.035%/K	Maximum system voltage NEC			600 V _{DC}
Temperature coefficient (I _{mpp})	- 0.042%/K	Number of diodes			6
Temperature coefficient (V _{mpp})	- 0.433%/K	Maximum series fuse rating			15 A
Temperature coefficient (V _{oc})	- 0.328%/K				
Normal operating cell temperature (NOCT)	47±2°C				

* Measurement tolerance +/- 3%

** Estimated



QUALIFICATION AND WARRANTIES

Product standard	IEC 61215, 61730 / UL 1703
Extended product warranty	10 years
Output warranty of 90% performance P_{mpp} (STC)	10 years
Output warranty of 80% performance P_{mpp} (STC)	25 years
MunichRe Warranty	25 years

MECHANICAL SPECIFICATIONS

Outer dimensions (L x W x H)	1652 x 994 x 45 mm 65.04 x 39.13 x 1.77 in
Frame technology	Aluminum, silver anodized
Module composition	Glass / EVA / Backsheet (white)
Weight (module only)	20 kg / 44.0 lbs
Front glass thickness	3.2 mm / 0.13 in
Junction box IP rating	IP 65
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 class	C
Connector type (UL)	Multi Contact type 4
Connector type (TUV)	MC type 4 compatible

CELL TECHNOLOGY

Cell type	monocrystalline
Number of cells / cell arrangement	60 / 6 x 10
Cells dimension	6"

MISCELLANEOUS

Packing unit	22 modules
Weight of packing unit	480 kg / 1056 lbs

ARTICLE NUMBER (per panel)-CHSM6610M Series

Model	ArticleNo. (IEC)	ArticleNo. (UL)
CHSM6610M-225	100053	100060
CHSM6610M-230	100054	100061
CHSM6610M-235	100055	100062
CHSM6610M-240	100056	100063
CHSM6610M-245	100057	100064

MODULE DIMENSION DETAILS

Front view	Side view	Rear view	Frame cross section

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