

Datasheet

Crystalline PV Module

CHSM6612P Series



EN

275	280	285	290	295	300	305	310
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ELECTRICAL SPECIFICATIONS								
STC rated output (P_{mpp})*	275 Wp	280 Wp	285 Wp	290 Wp	295 Wp	300 Wp	305 Wp	310 Wp
PTC rated output (P_{mpp} **)	247.2 Wp	251.8 Wp	256.5 Wp	261.1 Wp	265.7 Wp	270.3 Wp	275.0 Wp	279.6 Wp
Standard sorted output	-0/+5 Wp							
Warranted power output STC ($P_{mpp\ min}$)	275Wp	280 Wp	285 Wp	290 Wp	295 Wp	300 Wp	305 Wp	310 Wp
Rated voltage (V_{mpp}) at STC	35.60 V	35.63 V	35.66 V	35.68 V	35.72 V	35.74 V	35.77 V	35.80 V
Rated current (I_{mpp}) at STC	7.76 A	7.90 A	8.04 A	8.15 A	8.30 A	8.40 A	8.53 A	8.68 A
Open circuit voltage (V_{oc}) at STC	44.51 V	44.64 V	44.77 V	44.90 V	45.03 V	45.16 V	45.29 V	45.42 V
Short circuit current (I_{sc}) at STC	8.56 A	8.71 A	8.86 A	8.94 A	9.16 A	9.27 A	9.42 A	9.56 A
Module efficiency	14.1%	14.4%	14.7%	14.9%	15.2%	15.4%	15.7%	15.9%
Rated output (P_{mpp}) at NOCT	192.0 Wp	195.5 Wp	199.0 Wp	202.5 Wp	206.0 Wp	209.5 Wp	213.0 Wp	216.5 Wp
Rated voltage (V_{mpp}) at NOCT	32.38 V	32.38 V	32.39 V	32.51 V	32.47 V	32.63 V	32.67 V	32.70 V
Rated current (I_{mpp}) at NOCT	5.93 A	6.04 A	6.14 A	6.23 A	6.34 A	6.42 A	6.52 A	6.62 A
Open circuit voltage (V_{oc}) at NOCT	40.84 V	40.96 V	41.08 V	41.20 V	41.32 V	41.44 V	41.56 V	41.68 V
Short circuit current (I_{sc}) at NOCT	6.62 A	6.74 A	6.85 A	6.91 A	7.09 A	7.17 A	7.28 A	7.39 A
Temperature coefficient (P_{mpp})	- 0.451%/K							
Temperature coefficient (I_{sc})	+0.087%/K							
Temperature coefficient (I_{mpp})	+0.007%/K							
Temperature coefficient (V_{mpp})	- 0.445%/K							
Temperature coefficient (V_{oc})	- 0.332%/K							
Normal operating cell temperature (NOCT)	46±2°C							
Maximum system voltage SCII	1000 Vdc							
Maximum system voltage NEC	600 Vdc / 1000 Vdc							
Number of diodes	6							
Maximum series fuse rating	15 A							

* 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)	1956 x 994 x 50 mm 77.01 x 39.13 x 1.97 in
Frame technology	Aluminum, silver anodized
Module composition	Glass / EVA / Backsheet (white)
Weight (module only)	23.5 kg / 51.7 lbs
Front glass thickness	3.2 mm / 0.13 in
Junction box IP rating	IP 65
Cable length / diameter (UL)	1200 mm / 47.24 in / 12 AWG
Cable length / diameter (IEC)	1150 mm / 45.28 in / 4 mm ²
Maximum load capacity	5400 Pa
Fire class	C
Connector type (UL)	Multi Contact type 4 / MC type 4 compatible
Connector type (TUV)	MC type 4 compatible

CELL TECHNOLOGY

Cell type	polycrystalline
Number of cells / cell arrangement	72 / 6 x 12
Cells dimension	6"

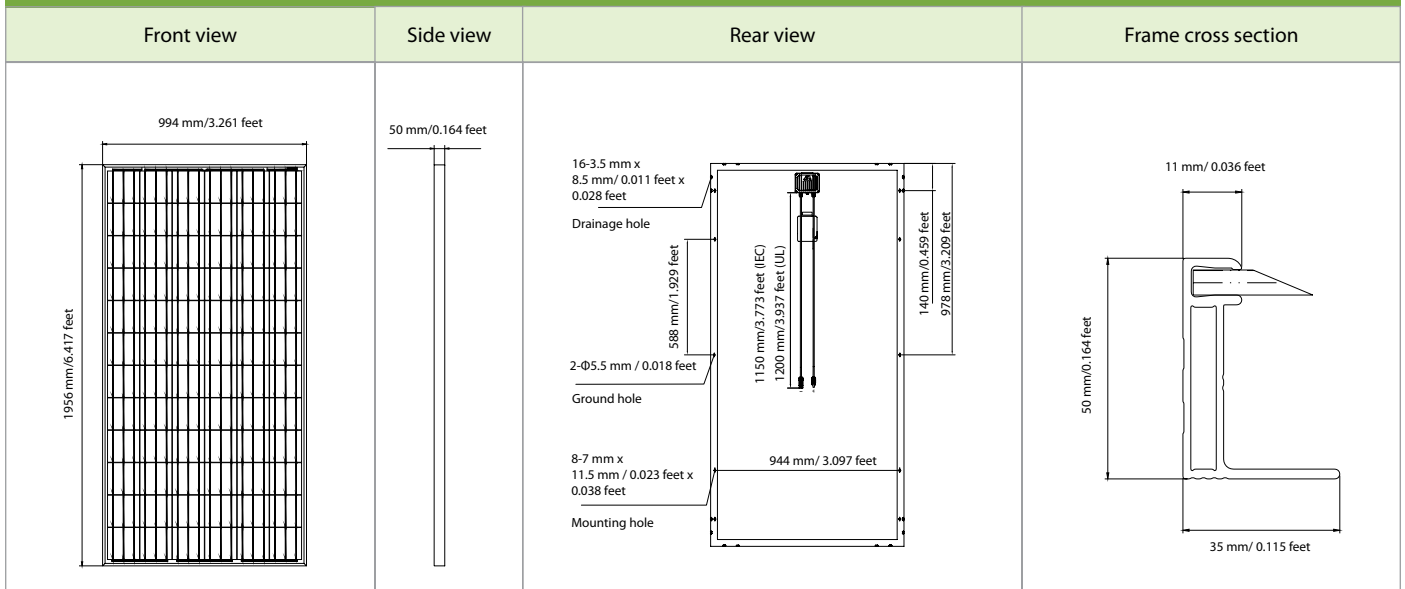
MISCELLANEOUS

Packing unit	20 modules
Weight of packing unit	528 kg / 1162 lbs

ARTICLE NUMBER (per panel)-CHSM6612P Series

Model	Article No. (IEC)	Article No. (UL)
CHSM6612P-275	200032	200039
CHSM6612P-280	200033	200040
CHSM6612P-285	200034	200041
CHSM6612P-290	200035	200042
CHSM6612P-295	200036	200043
CHSM6612P-300	200209	200211
CHSM6612P-305	200210	200212
CHSM6612P-310	200277	200278

DETAILS DES DIMENSIONS DU MODULE



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