

Datasheet

Crystalline PV Module

CHSM6612Q Series

295 300 305 310 315

EN

ELECTRICAL SPECIFICATIONS

STC rated output (P_{mpp})*	295 Wp	300 Wp	305 Wp	310 Wp	315 Wp
PTC rated output (P_{mpp} **)	265.7 Wp	270.3 Wp	275.0 Wp	279.6 Wp	284.2 Wp
Standard sorted output	-0/+5 Wp				
Warranted power output STC ($P_{mpp\ min}$)	295 Wp	300 Wp	305 Wp	310 Wp	315 Wp
Rated voltage (V_{mpp}) at STC	35.72 V	35.74 V	35.77 V	35.80 V	35.83 V
Rated current (I_{mpp}) at STC	8.30 A	8.40 A	8.53 A	8.68 A	8.80 A
Open circuit voltage (V_{oc}) at STC	45.03 V	45.16 V	45.29 V	45.42 V	45.55 V
Short circuit current (I_{sc}) at STC	9.16 A	9.27 A	9.42 A	9.56 A	9.71 A
Module efficiency	15.2%	15.4%	15.7%	15.9%	16.2%
Rated output (P_{mpp}) at NOCT	206.0 Wp	209.5 Wp	213.0 Wp	216.5 Wp	222.0 Wp
Rated voltage (V_{mpp}) at NOCT	32.47 V	32.63 V	32.67 V	32.70 V	32.71 V
Rated current (I_{mpp}) at NOCT	6.34 A	6.42 A	6.52 A	6.62 A	6.73 A
Open circuit voltage (V_{oc}) at NOCT	41.32 V	41.44 V	41.56 V	41.68 V	41.80 V
Short circuit current (I_{sc}) at NOCT	7.09 A	7.17 A	7.28 A	7.39 A	7.51 A
Temperature coefficient (P_{mpp})	-0.451%/K	Maximum system voltage SCII			
Temperature coefficient (I_{sc})	+0.087%/K	1000 V _{dc}			
Temperature coefficient (I_{mpp})	+0.007%/K	Maximum system voltage NEC			
Temperature coefficient (V_{mpp})	-0.445%/K	600 V _{dc} / 1000 V _{dc}			
Temperature coefficient (V_{oc})	-0.332%/K	Number of diodes			
Normal operating cell temperature (NOCT)	46±2°C	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"

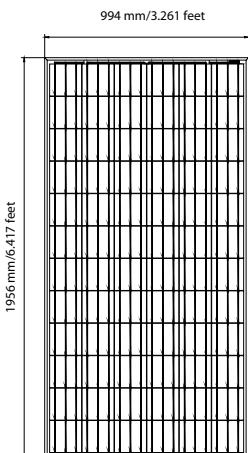

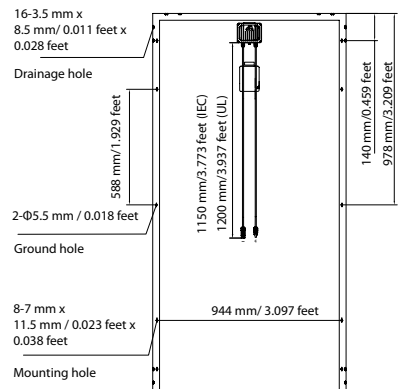
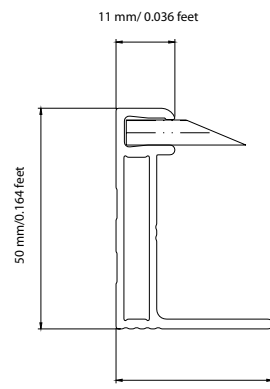
MISCELLANEOUS

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

ARTICLE NUMBER (per panel)-CHSM6612Q Series

Model	Article No. (IEC)	Article No. (UL)
CHSM6612Q-295	200136	200141
CHSM6612Q-300	200137	200142
CHSM6612Q-305	200138	200143
CHSM6612Q-310	200139	200144
CHSM6612Q-315	200270	200271

DETAILS DES DIMENSIONS DU MODULE

Front view	Side view	Rear view	Frame cross section
			

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