

# Datasheet

## Crystalline PV Module

### NMC CHSM6612P Series



\* NMC : Cell made in Non-Mainland China

EN

280	285	290	295	300	305	310
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ELECTRICAL SPECIFICATIONS								
STC rated output ( $P_{mpp}$ )*	280 Wp	285 Wp	290 Wp	295 Wp	300 Wp	305 Wp	310 Wp	
PTC rated output ( $P_{mpp}$ **)	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 ( $P_{mpp\ min}$ )	280 Wp	285 Wp	290 Wp	295 Wp	300 Wp	305 Wp	310 Wp	
Rated voltage ( $V_{mpp}$ ) at STC	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	7.90 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	44.64 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	8.71 A	8.86 A	8.94 A	9.16 A	9.27 A	9.42 A	9.56 A	
Module efficiency	14.4%	14.7%	14.9%	15.2%	15.4%	15.7%	15.9%	
Rated output ( $P_{mpp}$ ) at NOCT	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	32.39 V	32.51 V	32.47 V	32.63 V	32.67 V	32.70 V	
Rated current ( $I_{mpp}$ ) at NOCT	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	40.96 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	6.74 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			Maximum system voltage NEC				600 V <sub>DC</sub> / 1000 V <sub>DC</sub>
Temperature coefficient ( $I_{sc}$ )	+0.087%/K			Number of diodes				6
Temperature coefficient ( $I_{mpp}$ )	+0.007%/K			Maximum series fuse rating				15 A
Temperature coefficient ( $V_{mpp}$ )	- 0.445%/K							
Temperature coefficient ( $V_{oc}$ )	- 0.332%/K							
Normal operating cell temperature (NOCT)	46±2°C							

\* Measurement tolerance +/- 3%  
 \*\* Estimated



## QUALIFICATION AND WARRANTIES

Product standard	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

## CELL TECHNOLOGY

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

## 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
Maximum load capacity	5400 Pa
Fire class	C
Connector type (UL)	Multi Contact type 4 / MC type 4 compatible

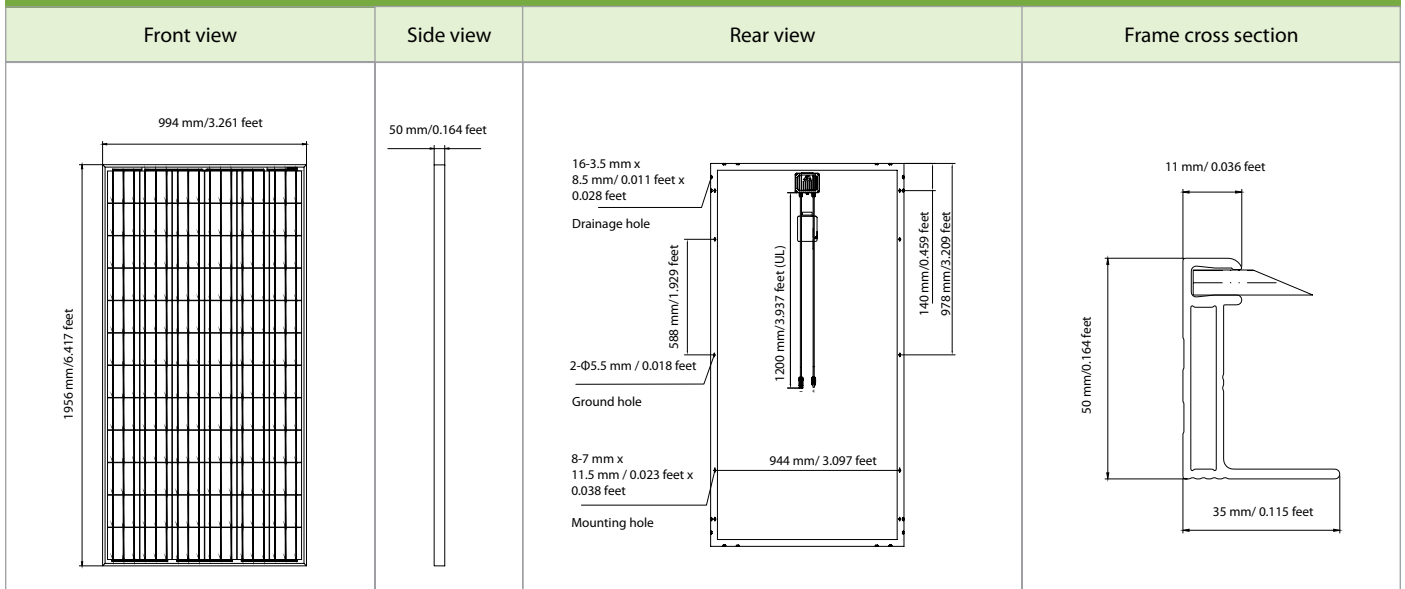
## MISCELLANEOUS

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

## ARTICLE NUMBER (per panel) - (NMC) CHSM6612P Series

Model	Article No. (UL)
(NMC) CHSM6612P-280	200153
(NMC) CHSM6612P-285	200154
(NMC) CHSM6612P-290	200155
(NMC) CHSM6612P-295	200156
(NMC) CHSM6612P-300	200157
(NMC) CHSM6612P-305	200275
(NMC) CHSM6612P-310	200276

## DETAILS DES DIMENSIONS DU MODULE



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