



# Datasheet

## Crystalline PV Module

### CHSM6610P Series

EN

240	245	250	255	260
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ELECTRICAL SPECIFICATIONS					
STC rated output ( $P_{mpp}$ ) <sup>①</sup>	240 Wp	245 Wp <sup>③</sup>	250 Wp <sup>③</sup>	255 Wp <sup>③</sup>	260 Wp
PTC rated output ( $P_{mpp}$ ) <sup>②</sup>	218.5 Wp	223.2 Wp	227.9 Wp	232.5 Wp	237.2 Wp
Standard sorted output	0/+5 Wp				
Warranted power output STC ( $P_{mpp \min}$ )	240 Wp	245 Wp	250 Wp	255 Wp	260 Wp
Rated voltage ( $V_{mpp}$ ) at STC	29.54 V	29.92 V	30.30 V	30.68 V	31.05 V
Rated current ( $I_{mpp}$ ) at STC	8.13 A	8.20 A	8.27 A	8.33 A	8.39 A
Open circuit voltage ( $V_{oc}$ ) at STC	37.77 V	37.98 V	38.19 V	38.40 V	38.53 V
Short circuit current ( $I_{sc}$ ) at STC	8.59 A	8.62 A	8.65 A	8.69 A	8.72 A
Module efficiency	14.6%	14.9%	15.2%	15.5%	15.8%
Rated output ( $P_{mpp}$ ) at NOCT	180.0 Wp	183.8 Wp	187.5 Wp	191.3 Wp	195.0 Wp
Rated voltage ( $V_{mpp}$ ) at NOCT	26.75 V	27.06 V	27.37 V	27.73 V	28.08 V
Rated current ( $I_{mpp}$ ) at NOCT	6.73 A	6.79 A	6.85 A	6.90 A	6.95 A
Open circuit voltage ( $V_{oc}$ ) at NOCT	34.50 V	34.70 V	34.89 V	35.08 V	35.20 V
Short circuit current ( $I_{sc}$ ) at NOCT	7.23 A	7.26 A	7.28 A	7.32 A	7.34 A
Temperature coefficient ( $P_{mpp}$ )	- 0.47%/K				
Temperature coefficient ( $I_{sc}$ )	+0.052%/K				
Temperature coefficient ( $I_{mpp}$ )	- 0.008%/K				
Temperature coefficient ( $V_{mpp}$ )	- 0.463%/K				
Temperature coefficient ( $V_{oc}$ )	- 0.344%/K				
Normal operating cell temperature (NOCT)	43±2°C				
Maximum system voltage (UL/IEC)	1000 V <sub>dc</sub>				
Number of diodes	6 (or 3)				
Maximum series fuse rating	15 A				

① Measurement tolerance +/- 3%

② Estimated

③ For KEMCO certified product only, the official model name is CHSM6610P-245K1/250K1/255K1



## RELATED PARAMETERS

Cell type	polycrystalline
Number of cells / cell arrangement	60 / 6 x 10
Cells dimension	6"
Packing unit	25 modules
Weight of packing unit	530 kg / 1166 lbs

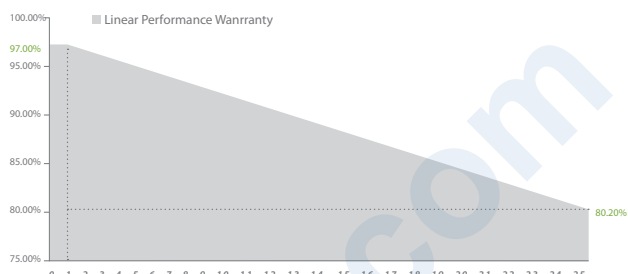
## MECHANICAL SPECIFICATIONS

Outer dimensions (L x W x H)	1652 x 994 x 40 mm 65.04 x 39.13 x 1.57 in
Frame technology	Aluminum, silver anodized
Module composition	Glass / EVA / Backsheet (white)
Weight (module only)	19.5 kg / 42.9 lbs
Front glass thickness	3.2 mm / 0.13 in
Junction box IP rating	IP 65 (above)
* Cable length (UL/IEC)	1000 mm / 39.37 in
Cable diameter (UL/IEC)	12 AWG / 4 mm <sup>2</sup>
Maximum load capacity	5400 Pa
Fire class	C
Connector type (UL/IEC)	MC type 4 compatible

\* Option: 900(+) mm/600(-) mm for defined projects in advance.

## QUALIFICATION AND LINEAR WARRANTIES

Product standard	IEC 61215, 61730 / UL 1703
Extended product warranty	10 years
Output decline 3%/year performance P <sub>mpp</sub> (STC)	1 <sup>st</sup> year
Output decline 0.7%/year performance P <sub>mpp</sub> (STC)	2 <sup>nd</sup> ~ 25 <sup>th</sup> years



## ARTICLE NUMBER (per panel)-CHSM6610P Series

Model	Article No. (IEC)	Article No. (UL)
CHSM6610P-240	200179	200187
CHSM6610P-245	200180	200188
CHSM6610P-250	200181	200189
CHSM6610P-255	200229	200231
CHSM6610P-260	200230	200232

## MODULE DIMENSION DETAILS

Front view	Side view	Rear view	Frame cross section

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