

VIOLINTM

Crystalline PV Module

CHSM6610P (BL) Series

- ▶ With innovational 4-busbar cells
- ▶ Reducing cell series resistance
- ▶ Increasing cell efficiency
- ▶ All black, especially for the rooftop

255	260	265	270	275
-----	-----	-----	-----	-----

EN

ELECTRICAL SPECIFICATIONS						
STC rated output (P _{mpp})*	255 Wp	260 Wp	265 Wp	270 Wp	275 Wp	
PTC rated output (P _{mpp})**	235.5 Wp	240.3 Wp	245.0 Wp	249.7 Wp	254.4 Wp	
Standard sorted output	0/+5 Wp					
Warranted power output STC (P _{nominal})	255 Wp	260 Wp	265 Wp	270 Wp	275 Wp	
Rated voltage (V _{mpp}) at STC	30.66 V	30.88 V	30.92 V	31.08 V	31.12 V	
Rated current (I _{mpp}) at STC	8.33 A	8.43 A	8.58 A	8.70 A	8.85 A	
Open circuit voltage (V _{oc}) at STC	37.48 V	37.72 V	37.87 V	38.00 V	38.45 V	
Short circuit current (I _{sc}) at STC	8.85 A	8.95 A	9.18 A	9.45 A	9.52 A	
Module efficiency	15.6%	15.9%	16.2%	16.5%	16.9%	
Rated output (P _{mpp}) at NOCT	191.3 Wp	195.0 Wp	198.8 Wp	202.5 Wp	206.3 Wp	
Rated voltage (V _{mpp}) at NOCT	27.73 V	27.94 V	27.98 V	28.12 V	28.15 V	
Rated current (I _{mpp}) at NOCT	6.90 A	6.98 A	7.10 A	7.20 A	7.33 A	
Open circuit voltage (V _{oc}) at NOCT	34.24 V	34.46 V	34.60 V	34.71 V	35.13 V	
Short circuit current (I _{sc}) at NOCT	7.45 A	7.54 A	7.73 A	7.96 A	8.02 A	
Temperature coefficient (P _{mpp})	- 0.407%/K				Maximum system voltage (IEC/UL)	1000 V _{DC}
Temperature coefficient (I _{sc})	+0.049%/K				Number of diodes	6 (or 3)
Temperature coefficient (I _{mpp})	- 0.000%/K				Maximum series fuse rating	15 A
Temperature coefficient (V _{mpp})	- 0.408%/K					
Temperature coefficient (V _{oc})	- 0.310%/K					
Normal operating cell temperature (NOCT)	43±2°C					

* Measurement tolerance +/- 3%
 ** Estimated



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 (for container)	510 kg / 1124 lbs

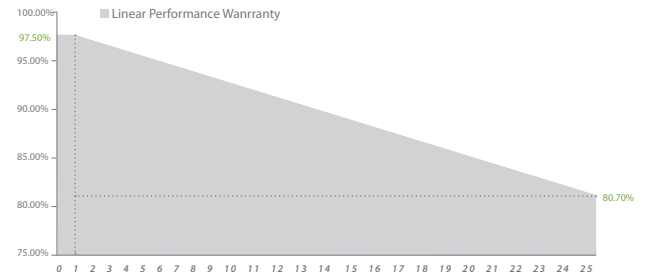
MECHANICAL SPECIFICATIONS

Outer dimensions (L x W x H)	1648 x 990 x 40 mm 64.88 x 38.98 x 1.57 in
Frame technology	Aluminum, black anodized
Module composition	Glass / EVA / Backsheet (black)
Weight (module only)	18.6 kg / 41.01 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 ²
Maximum load capacity	5400 Pa
Fire performance (UL/IEC)	Type 1 (UL) or Class C (IEC)
Connector type (UL/IEC)	MC4 compatible

* Option: 900(+)/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 2.5%/year performance P _{mpp} (STC)	1 st year
Output decline 0.7%/year performance P _{mpp} (STC)	2 nd - 25 th years



ARTICLE NUMBER

Model	Article No. (IEC)	Article No. (UL)
(VIOLIN) CHSM6610P (BL)-255	200513	200518
(VIOLIN) CHSM6610P (BL)-260	200514	200519
(VIOLIN) CHSM6610P (BL)-265	200515	200520
(VIOLIN) CHSM6610P (BL)-270	200516	200521
(VIOLIN) CHSM6610P (BL)-275	200704	200708

MODULE DIMENSION DETAILS

Front view	Side view	Rear view	Frame cross section

© Chint Solar (Zhejiang) Co., Ltd. Reserves the right of final interpretation. Specifications and designs included in this datasheet are subject to change without notice.