

VIOLINTM II

Crystalline PV Module

CHSM6610P Series

CHSM6610P/HV Series

- ▶ With innovational 4-busbar cells
- ▶ Unique PERC technology with optimized module process

CHSM6610P max system voltage 1000V standard, CHSM6610P/HV max system voltage 1500V standard

275

280

285

290

EN

ELECTRICAL SPECIFICATIONS

	275 Wp	280 Wp	285 Wp	290 Wp
STC rated output (P _{mpp})*	275 Wp	280 Wp	285 Wp	290 Wp
PTC rated output (P _{mpp})**	254.4 Wp	259.2 Wp	263.9 Wp	268.7 Wp
Standard sorted output	0/+5 Wp			
Warranted power output STC (P _{nominal})	275 Wp	280 Wp	285 Wp	290 Wp
Rated voltage (V _{mpp}) at STC	31.12 V	31.20 V	31.38 V	31.55 V
Rated current (I _{mpp}) at STC	8.85 A	8.99 A	9.09 A	9.20 A
Open circuit voltage (V _{oc}) at STC	38.45 V	38.69 V	38.94 V	39.18 V
Short circuit current (I _{sc}) at STC	9.52 A	9.59 A	9.68 A	9.75 A
Module efficiency	16.9%	17.2%	17.5%	17.8%
Rated output (P _{mpp}) at NOCT	206.3 Wp	210.0 Wp	213.8 Wp	217.5 Wp
Rated voltage (V _{mpp}) at NOCT	28.15 V	28.22 V	28.41 V	28.56 V
Rated current (I _{mpp}) at NOCT	7.33 A	7.44 A	7.52 A	7.62 A
Open circuit voltage (V _{oc}) at NOCT	35.13 V	35.35 V	35.57 V	35.79 V
Short circuit current (I _{sc}) at NOCT	8.02 A	8.08 A	8.15 A	8.21 A
Temperature coefficient (P _{mpp})	- 0.407%/K			
Temperature coefficient (I _{sc})	+0.049%/K			
Temperature coefficient (I _{mpp})	- 0.000%/K			
Temperature coefficient (V _{mpp})	- 0.408%/K			
Temperature coefficient (V _{oc})	- 0.310%/K			
Normal operating cell temperature (NOCT)	43±2°C			
Maximum system voltage (IEC/UL)	1000V _{DC} / 1000V _{DC} or 1500V _{DC} / 1500V _{DC}			
Number of diodes	6 (or 3)			
Maximum series fuse rating	15 A			

* 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

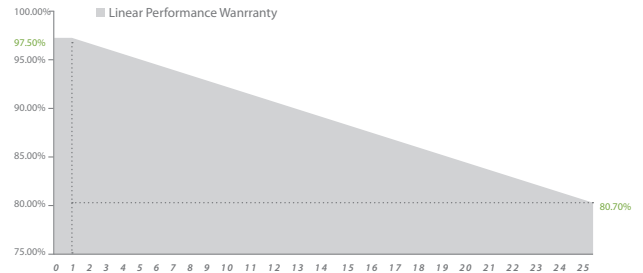
MECHANICAL SPECIFICATIONS

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, silver anodized
Module composition	Glass / EVA / Backsheet (white)
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

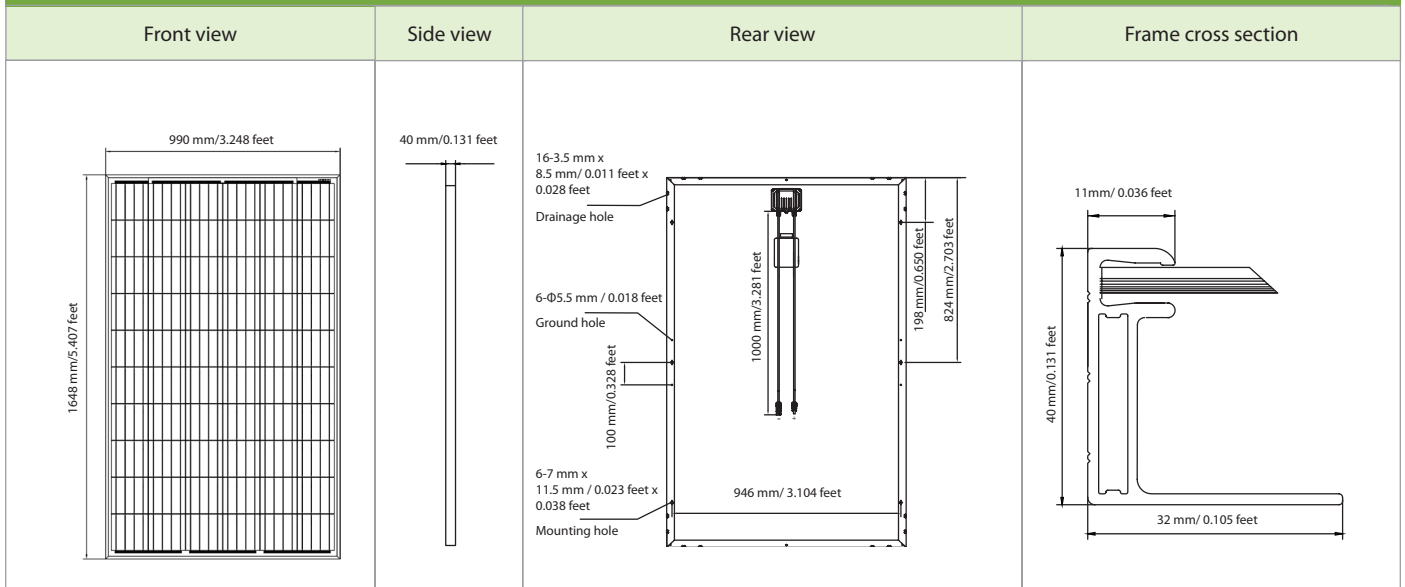
Product standard	IEC 61215, 61730 / UL1703
Extended product warranty	10 years
Output decline 2.5%/year performance P _{mpp} (STC)	1 st year
Output decline 0.7%/year performance P _{mpp} (STC)	2 nd - 25 th years



ARTICLE NUMBER

Model	Article No. (IEC)	Article No. (UL)
(VIOLIN II) CHSM6610P-275	200503	200510
(VIOLIN II) CHSM6610P-280	200504	200511
(VIOLIN II) CHSM6610P-285	200688	200690
(VIOLIN II) CHSM6610P-290	200689	200691
(VIOLIN II) CHSM6610P/HV-275	500025	500032
(VIOLIN II) CHSM6610P/HV-280	500026	500033
(VIOLIN II) CHSM6610P/HV-285	500104	500106
(VIOLIN II) CHSM6610P/HV-290	500105	500107

MODULE DIMENSION DETAILS



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