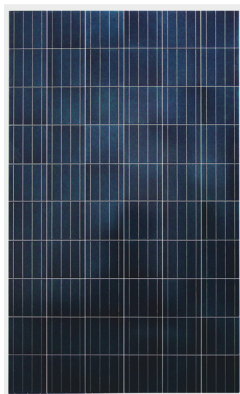


For Global Market



# VIOLIN™ II

## Crystalline PV Module CHSM6610P (DG) Series

- ▶ Double glass structure to increase strength
- ▶ PID free and snail trail free
- ▶ 30-year linear performance warranty & 12-year product warranty
- ▶ Applicable for the extremely stringent environment



260 | 265 | 270 | 275 | 280

EN

### ELECTRICAL SPECIFICATIONS

	260 Wp	265 Wp	270 Wp	275 Wp	280 Wp
STC rated output (P <sub>mpp</sub> )*	260 Wp	265 Wp	270 Wp	275 Wp	280 Wp
PTC rated output (P <sub>mpp</sub> )**	240.2 Wp	244.9 Wp	249.7 Wp	254.4 Wp	259.1 Wp
Standard sorted output	0/+5 Wp				
Warranted power output STC (P <sub>nominal</sub> )	260 Wp	265 Wp	270 Wp	275 Wp	280 Wp
Rated voltage (V <sub>mpp</sub> ) at STC	31.05 V	31.43 V	31.78 V	32.09 V	32.44 V
Rated current (I <sub>mpp</sub> ) at STC	8.39 A	8.46 A	8.52 A	8.57 A	8.63 A
Open circuit voltage (V <sub>oc</sub> ) at STC	38.53 V	38.72 V	38.91 V	39.13 V	39.32 V
Short circuit current (I <sub>sc</sub> ) at STC	8.72 A	8.75 A	8.79 A	8.96 A	9.06 A
Module efficiency	15.8%	16.1%	16.4%	16.7%	17.0%
Rated output (P <sub>mpp</sub> ) at NOCT	195.0 Wp	198.8 Wp	202.5 Wp	206.3 Wp	210.0 Wp
Rated voltage (V <sub>mpp</sub> ) at NOCT	28.08 V	28.38 V	28.71 V	29.07 V	29.40 V
Rated current (I <sub>mpp</sub> ) at NOCT	6.95 A	7.00 A	7.05 A	7.09 A	7.14 A
Open circuit voltage (V <sub>oc</sub> ) at NOCT	35.20 V	35.37 V	35.55 V	35.75 V	35.92 V
Short circuit current (I <sub>sc</sub> ) at NOCT	7.34 A	7.37 A	7.40 A	7.54 A	7.63 A
Temperature coefficient (P <sub>mpp</sub> )	- 0.407%/K		Maximum system voltage (IEC/UL)		1000 V <sub>DC</sub> ***
Temperature coefficient (I <sub>sc</sub> )	+0.049%/K		Number of diodes		3
Temperature coefficient (I <sub>mpp</sub> )	- 0.000%/K		Maximum series fuse rating		15 A
Temperature coefficient (V <sub>mpp</sub> )	- 0.408%/K		*** Option: 1500Vdc for special requirement in advance		
Temperature coefficient (V <sub>oc</sub> )	- 0.310%/K				
Normal operating cell temperature (NOCT)	43±2°C				

\* Measurement tolerance +/- 3%

\*\* Estimated



A CHINT COMPANY

ASTRONERGY

## RELATED PARAMETERS

Cell type	polycrystalline
Number of cells / cell arrangement	60 / 6 x 10
Cells dimension	6"
Packing unit	23 modules
Weight of packing unit	598 kg / 1318 lbs

## MECHANICAL SPECIFICATIONS

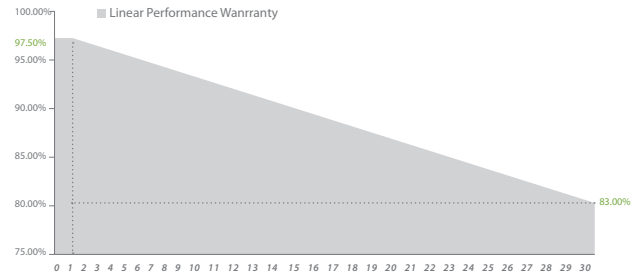
Outer dimensions (L x W x H)	1658 x 992 x 23.5 mm 65.27 x 39.06 x 0.93 in
Module composition	Glass / PO(transparent or white) / Glass
Weight (module only)	26 kg / 57.32 lbs
Front glass thickness	2.5 mm / 0.098 in
Junction box IP rating	IP 67
① Cable length / diameter (UL/IEC)	200 mm / 7.87 in +250 mm / 9.84 in
Cable diameter (UL/IEC)	12 AWG / 4 mm <sup>2</sup>
② Maximum load capacity	3600 Pa
Fire performance (UL/IEC)	Type 1 (UL) or Class C (IEC)
Connector type (UL/IEC)	MC type 4 compatible

① Positive: 250mm, negative: 200mm

② Only limit to the specified clamp fixing in Astronergy crystalline installation manual

## QUALIFICATION AND LINEAR WARRANTIES

Product standard	IEC 61215, 61730 / UL 1703
Extended product warranty	12 years
Output decline 2.5%/year performance P <sub>mpp</sub> (STC)	1 <sup>st</sup> year
Output decline 0.5%/year performance P <sub>mpp</sub> (STC)	2 <sup>nd</sup> - 30 <sup>th</sup> years



## ARTICLE NUMBER (per panel)-VIOLIN II CHSM6610P(DG) Series

Model	Article No. (IEC)	Article No. (UL)
(VIOLIN II) CHSM6610P(DG)-260	200444	200449
(VIOLIN II) CHSM6610P (DG)-265	200445	200450
(VIOLIN II) CHSM6610P (DG)-270	200462	200465
(VIOLIN II) CHSM6610P (DG)-275	200463	200466
(VIOLIN II) CHSM6610P (DG)-280	200464	200467

## MODULE DIMENSION DETAILS

Front view	Side view	Rear view

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