

Special for Australian Market



# VIOLIN™

## Crystalline PV Module Baseline CHSM6610P (FR) Series

- ▶ With innovational 4-busbar cells
- ▶ Reducing cell series resistance
- ▶ Increasing cell efficiency
- ▶ More power output

250    255    260    265    270

EN

### ELECTRICAL SPECIFICATIONS

	250	255	260	265	270
STC rated output ( $P_{mpp}$ ) <sup>①</sup>	250 Wp	255 Wp	260 Wp	265 Wp	270 Wp
PTC rated output ( $P_{mpp}$ ) <sup>②</sup>	230.8 Wp	235.5 Wp	240.3 Wp	245.0 Wp	249.7 Wp
Standard sorted output	0/+5 Wp				
Warranted power output STC ( $P_{nominal}$ )	250 Wp	255 Wp	260 Wp	265 Wp	270 Wp
Rated voltage ( $V_{mpp}$ ) at STC	30.30 V	30.68 V	31.05 V	31.43 V	31.78 V
Rated current ( $I_{mpp}$ ) at STC	8.27 A	8.33 A	8.39 A	8.46 A	8.52 A
Open circuit voltage ( $V_{oc}$ ) at STC	38.19 V	38.40 V	38.53 V	38.72 V	38.91 V
Short circuit current ( $I_{sc}$ ) at STC	8.65 A	8.69 A	8.72 A	8.75 A	8.79 A
Module efficiency	15.3%	15.6%	15.9%	16.2%	16.5%
Rated output ( $P_{mpp}$ ) at NOCT	187.5 Wp	191.3 Wp	195.0 Wp	198.8 Wp	202.5 Wp
Rated voltage ( $V_{mpp}$ ) at NOCT	27.37 V	27.73 V	28.08 V	28.38 V	28.71 V
Rated current ( $I_{mpp}$ ) at NOCT	6.85 A	6.90 A	6.95 A	7.00 A	7.05 A
Open circuit voltage ( $V_{oc}$ ) at NOCT	34.89 V	35.08 V	35.20 V	35.37 V	35.55 V
Short circuit current ( $I_{sc}$ ) at NOCT	7.28 A	7.32 A	7.34 A	7.37 A	7.40 A
Temperature coefficient ( $P_{mpp}$ )	- 0.407%/K		Maximum system voltage (IEC)		
Temperature coefficient ( $I_{sc}$ )	+0.049%/K		1000 Vdc <sup>③</sup>		
Temperature coefficient ( $I_{mpp}$ )	-0.000%/K		Number of diodes		
Temperature coefficient ( $V_{mpp}$ )	- 0.408%/K		6 (or 3)		
Temperature coefficient ( $V_{oc}$ )	- 0.310%/K		Maximum series fuse rating		
Normal operating cell temperature (NOCT)	43±2°C		15 A		

<sup>①</sup> Measurement tolerance    +/- 3%

<sup>②</sup> Estimated

<sup>③</sup> Option: 1500VDC for special requirement in advance

\* With Fire Class Crating certificate for Australian CEC listing



A CHNT COMPANY

ASTRONERGY

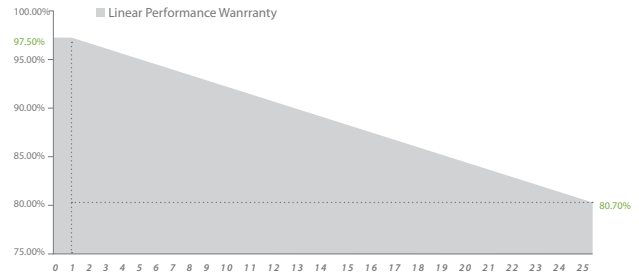
RELATED PARAMETERS	
Cell type	polycrystalline
Number of cells / cell arrangement	60 / 6 x 10
Cells dimension	6"
Packing unit	28 modules
Weight of packing unit	553 kg / 1219 lbs

MECHANICAL SPECIFICATIONS	
Outer dimensions (L x W x H)	1648 x 990 x 35 mm 64.88 x 38.98 x 1.38 in
Frame technology	Aluminum, silver anodized
Module composition	Glass / EVA / Backsheet (white)
Weight (module only)	18.0 kg / 39.68 lbs
Front glass thickness	3.2 mm / 0.13 in
Junction box IP rating	IP 65 (above)
<sup>①</sup> Cable length (IEC)	1000mm/39.37in
Cable diameter (IEC)	4 mm <sup>2</sup>
<sup>②</sup> Maximum load capacity	2400 Pa
Fire class	C
Connector type (IEC)	MH5 (by Minghe) or PV-CY05L (by Chuangyuan) or PV-HCA30 (by Xinhui) or MC4 (by MC)

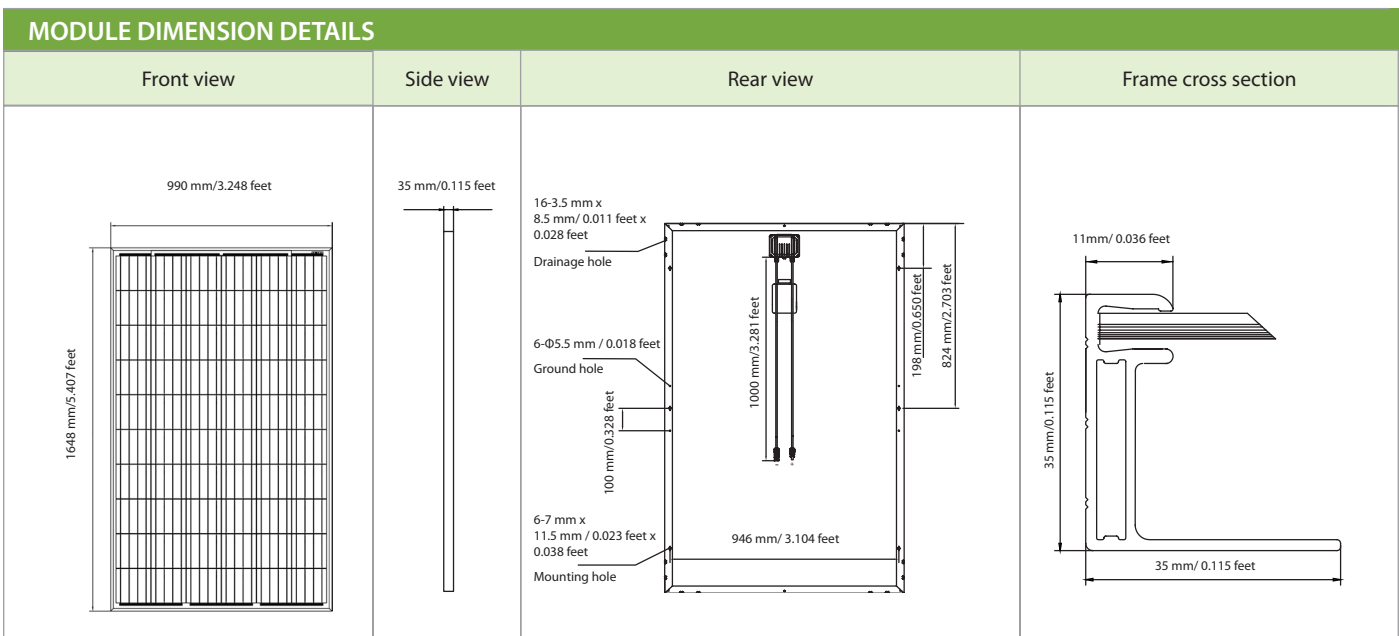
<sup>①</sup> Option: 900(+) mm/600(-) mm for defined projects in advance.

<sup>②</sup> Only limit to portrait direction specified in Astronergy crystalline installation manual.

QUALIFICATION AND LINEAR WARRANTIES	
Product standard	IEC 61215, 61730
Extended product warranty	10 years
Output decline 2.5%/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)-Baseline VIOLIN CHSM6610P (FR) Series	
Model	Article No. (IEC)
(VIOLIN) CHSM6610P (FR)-250	200522
(VIOLIN) CHSM6610P (FR)-255	200523
(VIOLIN) CHSM6610P (FR)-260	200524
(VIOLIN) CHSM6610P (FR)-265	200525
(VIOLIN) CHSM6610P (FR)-270	200526



© Chint Solar (Zhejiang) Co., Ltd. All rights reserved.  
Specifications and designs included in this datasheet are subject to change without notice.