For Global Market





NOVA™ II

Crystalline PV Module

CHSM6610M Series

CHSM6610M/HV Series

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

CHSM6610M is 1000V standard, CHSM6610M/HV is 1500V standard.

275 | 280 | 285 | 290 | 295

EN

ELECTRICAL SPECIFICATIONS					
STC rated output (P_{mpp})*	275 Wp	280 Wp	285 Wp	290 Wp	295 Wp
PTC rated output (P_{mpp})**	246.0 Wp	250.6 Wp	255.3 Wp	259.9 Wp	264.5 Wp
Standard sorted output			0/+5 Wp		
Warranted power output STC ($P_{nominal}$)	275 Wp	280 Wp	285 Wp	290 Wp	295 Wp
Rated voltage (V_{mpp}) at STC	32.09 V	32.56 V	32.99 V	33.37 V	33.87 V
Rated current (I_{mpp}) at STC	8.57 A	8.60 A	8.64 A	8.69 A	8.71 A
Open circuit voltage (V_{oc}) at STC	38.85 V	39.16 V	39.34 V	39.53 V	39.69 V
Short circuit current (I_{sc}) at STC	8.79 A	8.85 A	8.91 A	8.97 A	9.04 A
Module efficiency	16.9%	17.2%	17.5%	17.8%	18.1%
Rated output (P_{mpp}) at NOCT	199.3 Wp	202.9 Wp	206.6 Wp	210.2 Wp	213.8 Wp
Rated voltage (V_{mpp}) at NOCT	28.68 V	29.10 V	29.48 V	29.83 V	30.27 V
Rated current (I_{mpp}) at NOCT	6.95 A	6.97 A	7.01 A	7.05 A	7.06 A
Open circuit voltage (V_{oc}) at NOCT	35.36 V	35.64 V	35.80 V	35.97 V	36.12 V
Short circuit current (I_{sc}) at NOCT	7.25 A	7.30 A	7.35 A	7.40 A	7.46 A

Temperature coefficient (P_{mpp})	- 0.47%/K
Temperature coefficient (I_{sc})	+0.035%/K
Temperature coefficient (I_{mpp})	- 0.042%/K
Temperature coefficient (V_{mpp})	- 0.433%/K
Temperature coefficient (V_{oc})	- 0.328%/K
Normal operating cell temperature (NOCT)	47±2°C

Maximum system voltage (UL/IEC)	1000/1500 V_{DC}
Number of diodes	6 (or 3)
Maximum series fuse rating	15 A

* Measurement tolerance +/- 3%
** Estimated

A CHINT COMPANY

ASTRONERGY

RELATED PARAMETERS

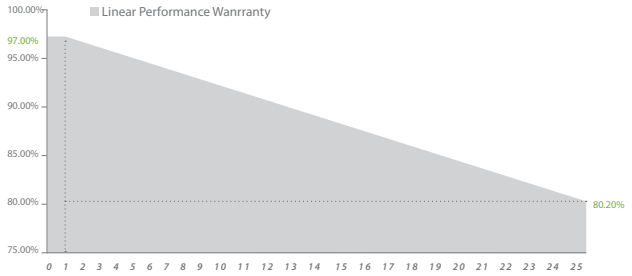
Cell type	monocrystalline
Number of cells / cell arrangement	60 / 6 x 10
Cells dimension	6″
Packing unit	25 modules
Weight of packing unit	508 kg / 1120 lbs

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)	18.4 kg / 40.57 lbs
Front glass thickness	3.2 mm / 0.13 in
Junction box IP rating	IP 65 (above)
Cable length / diameter (UL)	1000 mm / 39.37 in / 12 AWG
Cable length / diameter (IEC)	1000 mm / 39.37 in / 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

QUALIFICATION AND LINEAR WARRANTIES

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

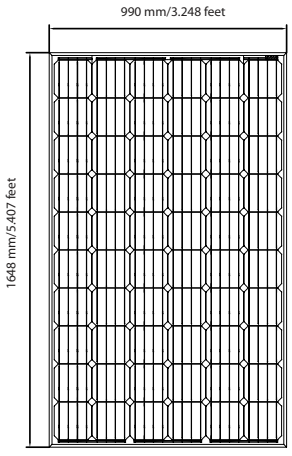


ARTICLE NUMBER

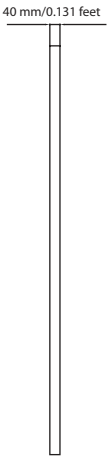
Model	Article No. (IEC)	Article No. (UL)
(NOVA II) CHSM6610M-275	100452	100459
(NOVA II) CHSM6610M-280	100453	100460
(NOVA II) CHSM6610M-285	100454	100461
(NOVA II) CHSM6610M-290	100455	100462
(NOVA II) CHSM6610M-295	100500	100502
(NOVA II) CHSM6610M/HV-275	900043	900051
(NOVA II) CHSM6610M/HV-280	900044	900052
(NOVA II) CHSM6610M/HV-285	900045	900053
(NOVA II) CHSM6610M/HV-290	900046	900054
(NOVA II) CHSM6610M/HV-295	900047	900055

MODULE DIMENSION DETAILS

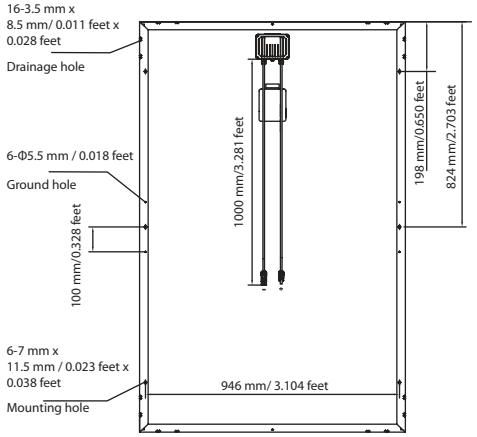
Front view



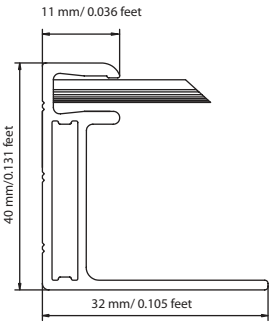
Side view



Rear view



Frame cross section



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