

# NOVA™ II

## Datasheet Crystalline PV Module CHSM6610M Series

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

270	275	280	285	290
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ELECTRICAL SPECIFICATIONS					
STC rated output ( $P_{mpp}$ )*	270 Wp	275 Wp	280 Wp	285 Wp	290 Wp
PTC rated output ( $P_{mpp}$ **)	241.4 Wp	246.0 Wp	250.6 Wp	255.3 Wp	259.9 Wp
Standard sorted output	0/+5 Wp				
Warranted power output STC ( $P_{nominal}$ )	270 Wp	275 Wp	280 Wp	285 Wp	290 Wp
Rated voltage ( $V_{mpp}$ ) at STC	31.82 V	32.09 V	32.56 V	32.99 V	33.37 V
Rated current ( $I_{mpp}$ ) at STC	8.51 A	8.57 A	8.60 A	8.64 A	8.69 A
Open circuit voltage ( $V_{oc}$ ) at STC	38.70 V	38.85 V	39.16 V	39.34 V	39.53 V
Short circuit current ( $I_{sc}$ ) at STC	8.77 A	8.79 A	8.85 A	8.91 A	8.97 A
Module efficiency	16.5%	16.9%	17.2%	17.5%	17.8%
Rated output ( $P_{mpp}$ ) at NOCT	195.7 Wp	199.3 Wp	202.9 Wp	206.6 Wp	210.2 Wp
Rated voltage ( $V_{mpp}$ ) at NOCT	28.36 V	28.68 V	29.10 V	29.48 V	29.83 V
Rated current ( $I_{mpp}$ ) at NOCT	6.90 A	6.95 A	6.97 A	7.01 A	7.05 A
Open circuit voltage ( $V_{oc}$ ) at NOCT	35.22 V	35.36 V	35.64 V	35.80 V	35.97 V
Short circuit current ( $I_{sc}$ ) at NOCT	7.24 A	7.25 A	7.30 A	7.35 A	7.40 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 V <sub>dc</sub> ***				
Number of diodes	6 (or 3)				
Maximum series fuse rating	15 A				

\*\*\* Option: 1500VDC for special requirement in advance

\* Measurement tolerance +/- 3%  
\*\* Estimated



## RELATED PARAMETERS

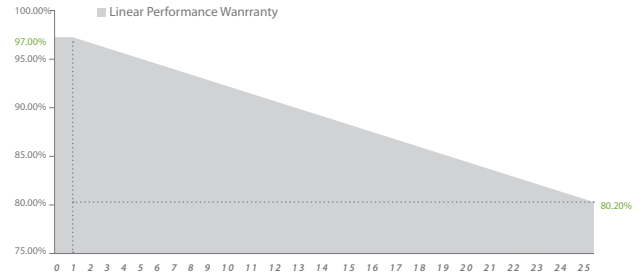
Cell type	monocrystalline
Number of cells / cell arrangement	60 / 6 x 10
Cells dimension	6"
Packing unit	25 modules
Weight of packing unit	508 kg / 1120 lbs

## 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 <sup>2</sup>
Maximum load capacity	5400 Pa
Fire performance (UL/IEC)	Type 1 (UL) or Class C (IEC)
Connector type (UL/IEC)	MC type 4 compatible

## QUALIFICATION AND LINEAR WARRANTIES

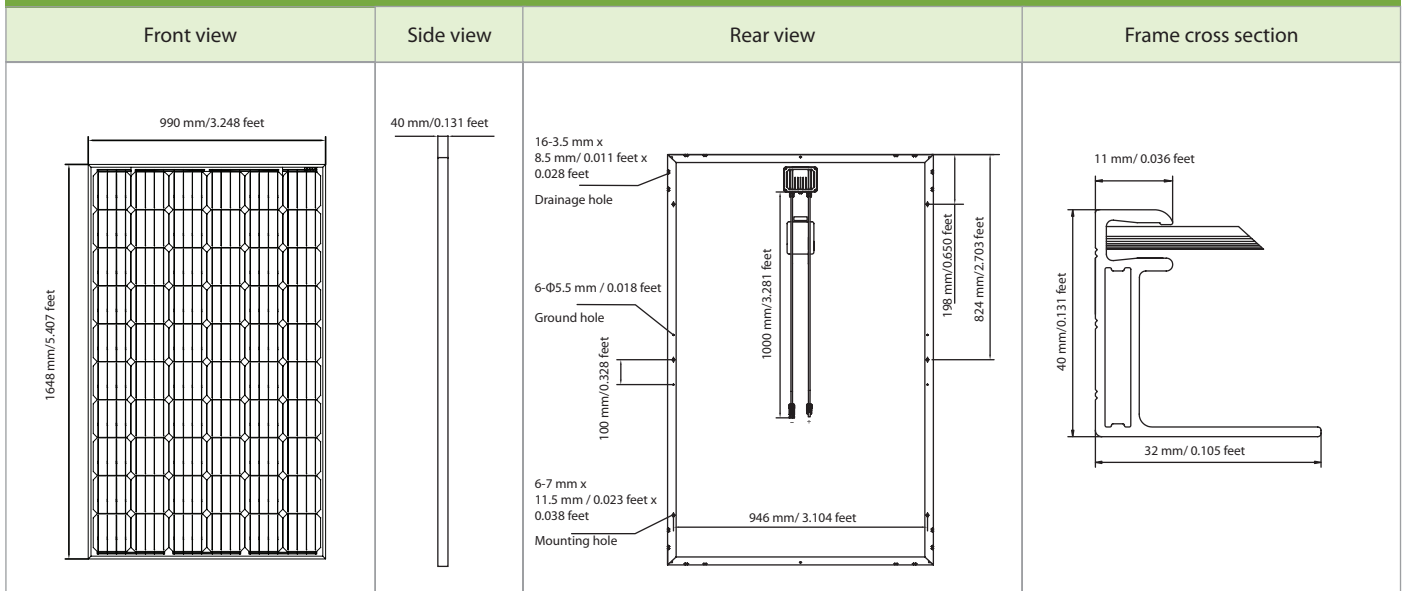
Product standard	IEC 61215, 61730 / UL 1703
Extended product warranty	10 years
Output decline 3%/year performance P <sub>mpp</sub> (STC)	1 <sup>st</sup> year
Output decline 0.7%/year performance P <sub>mpp</sub> (STC)	2 <sup>nd</sup> ~ 25 <sup>th</sup> years



## ARTICLE NUMBER (per panel)-(NOVA II) CHSM6610M Series

Model	Article No. (IEC)	Article No. (UL)
(NOVA II) CHSM6610M-270	100451	100458
(NOVA II) CHSM6610M-275	100452	100459
(NOVA II) CHSM6610M-280	100453	100460
(NOVA II) CHSM6610M-285	100454	100461
(NOVA II) CHSM6610M-290	100455	100462

## MODULE DIMENSION DETAILS



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