

# NOVA™ Datasheet Crystalline PV Module CHSM6610M (FR) Series

265	270	275	280	285
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ELECTRICAL SPECIFICATIONS					
STC rated output ( $P_{mpp}$ ) <sup>①</sup>	265 Wp	270 Wp	275 Wp	280 Wp	285 Wp
PTC rated output ( $P_{mpp}$ ) <sup>②</sup>	236.8 Wp	241.4 Wp	246.0 Wp	250.6 Wp	255.3 Wp
Standard sorted output	0/+5 Wp				
Warranted power output STC ( $P_{nominal}$ )	265 Wp	270 Wp	275 Wp	280 Wp	285 Wp
Rated voltage ( $V_{mpp}$ ) at STC	31.49 V	31.82 V	32.09 V	32.56 V	32.99 V
Rated current ( $I_{mpp}$ ) at STC	8.44 A	8.51 A	8.57 A	8.60 A	8.64 A
Open circuit voltage ( $V_{oc}$ ) at STC	38.55 V	38.70 V	38.85 V	39.16 V	39.34 V
Short circuit current ( $I_{sc}$ ) at STC	8.74 A	8.77 A	8.79 A	8.85 A	8.91 A
Module efficiency	16.2%	16.5%	16.9%	17.2%	17.5%
Rated output ( $P_{mpp}$ ) at NOCT	192.1 Wp	195.7 Wp	199.3 Wp	202.9 Wp	206.6 Wp
Rated voltage ( $V_{mpp}$ ) at NOCT	28.06 V	28.36 V	28.68 V	29.10 V	29.48 V
Rated current ( $I_{mpp}$ ) at NOCT	6.84 A	6.90 A	6.95 A	6.97 A	7.01 A
Open circuit voltage ( $V_{oc}$ ) at NOCT	35.08 V	35.22 V	35.36 V	35.64 V	35.80 V
Short circuit current ( $I_{sc}$ ) at NOCT	7.21 A	7.24 A	7.25 A	7.30 A	7.35 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 (IEC)	1000 Vdc <sup>③</sup>				
Number of diodes	6 (or 3)				
Maximum series fuse rating	15 A				

① Measurement tolerance +/- 3%

② Estimated

③ Option: 1500Vdc for special requirement in advance

\* With Fire Class Crating certificate for Australian CEC listing



## RELATED PARAMETERS

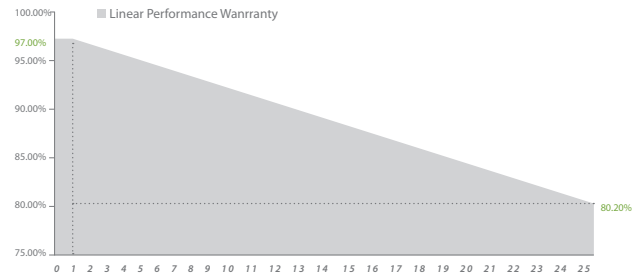
Cell type	monocrystalline
Number of cells / cell arrangement	60 / 6 x 10
Cells dimension	6"
Packing unit	25 modules
Weight of packing unit	508 kg / 1120 lbs

## 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 (IEC)	1000 mm / 39.37 in / 4 mm <sup>2</sup>
Maximum load capacity	5400 Pa
Fire class	C
Connector type (IEC)	MH5 (by Minghe) or PV-CY05L (by Chuangyuan) or PV-HCA30 (by Xinhui) or MC4 (by MC)

## QUALIFICATION AND LINEAR WARRANTIES

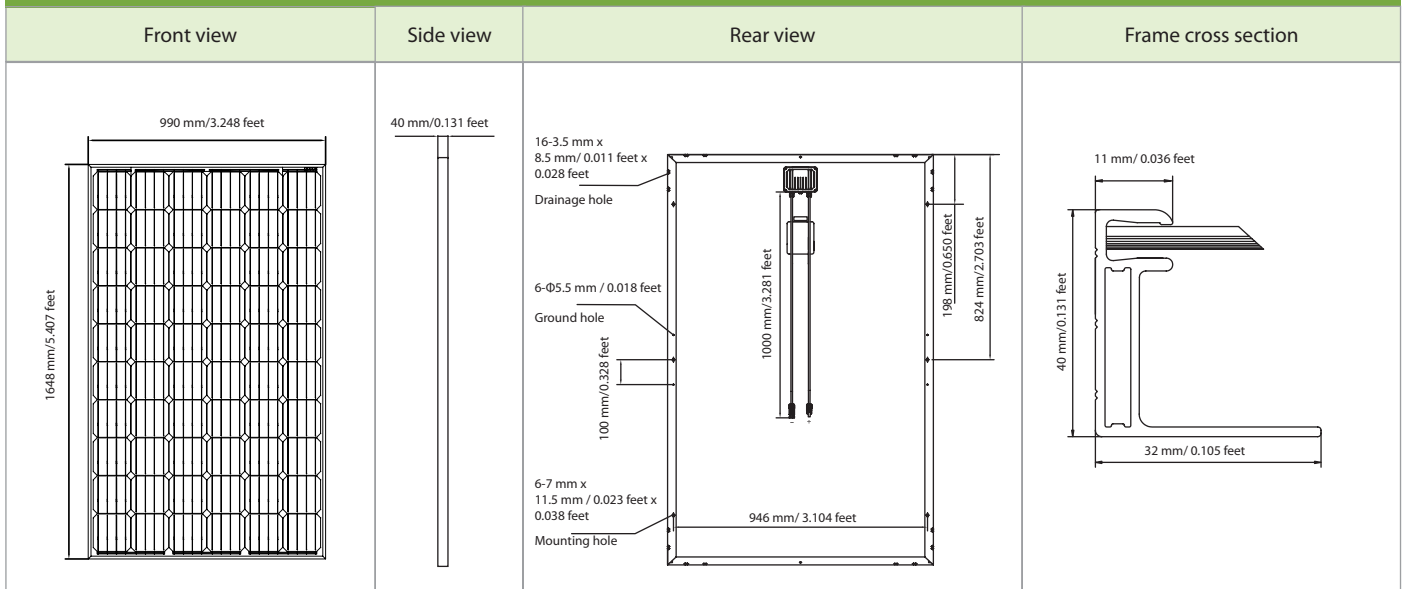
Product standard	IEC 61215, 61730
Extended product warranty	10 years
Output decline 3%/year performance P <sub>mp</sub> (STC)	1 <sup>st</sup> year
Output decline 0.7%/year performance P <sub>mp</sub> (STC)	2 <sup>nd</sup> ~ 25 <sup>th</sup> years



## ARTICLE NUMBER

Model	Article No. (IEC)
(NOVA) CHSM6610M (FR)-265	100492
(NOVA) CHSM6610M (FR)-270	100493
(NOVA) CHSM6610M (FR)-275	100494
(NOVA) CHSM6610M (FR)-280	100495
(NOVA) CHSM6610M (FR)-285	100504

## MODULE DIMENSION DETAILS



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