

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

250	255	260	265	270
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ELECTRICAL SPECIFICATIONS						
STC rated output ( $P_{mpp}$ )*	250 Wp	255 Wp	260 Wp	265 Wp	270 Wp	
PTC rated output ( $P_{mpp}$ **)	223.0 Wp	227.6 Wp	232.2 Wp	236.7 Wp	241.3 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	30.48 V	30.84 V	31.19 V	31.49 V	31.82 V	
Rated current ( $I_{mpp}$ ) at STC	8.23 A	8.31 A	8.38 A	8.44 A	8.51 A	
Open circuit voltage ( $V_{oc}$ ) at STC	38.09 V	38.24 V	38.39 V	38.55 V	38.70 V	
Short circuit current ( $I_{sc}$ ) at STC	8.64 A	8.67 A	8.70 A	8.74 A	8.77 A	
Module efficiency	15.2%	15.5%	15.8%	16.1%	16.4%	
Rated output ( $P_{mpp}$ ) at NOCT	181.2 Wp	184.8 Wp	188.4 Wp	192.1 Wp	195.7 Wp	
Rated voltage ( $V_{mpp}$ ) at NOCT	27.15 V	27.43 V	27.73 V	28.06 V	28.36 V	
Rated current ( $I_{mpp}$ ) at NOCT	6.67 A	6.74 A	6.79 A	6.84 A	6.90 A	
Open circuit voltage ( $V_{oc}$ ) at NOCT	34.66 V	34.80 V	34.94 V	35.08 V	35.22 V	
Short circuit current ( $I_{sc}$ ) at NOCT	7.13 A	7.15 A	7.18 A	7.21 A	7.24 A	
Temperature coefficient ( $P_{mpp}$ )	-0.47%/K	Maximum system voltage (UL/IEC)				1000 $V_{oc}$
Temperature coefficient ( $I_{sc}$ )	+0.035%/K	Number of diodes				6 (or 3)
Temperature coefficient ( $I_{mpp}$ )	-0.042%/K	Maximum series fuse rating				15 A
Temperature coefficient ( $V_{mpp}$ )	-0.433%/K					
Temperature coefficient ( $V_{oc}$ )	-0.328%/K					
Normal operating cell temperature (NOCT)	47±2°C					

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



## RELATED PARAMETERS

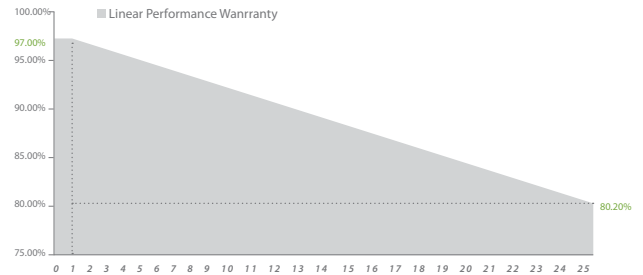
Cell type	monocrystalline
Number of cells / cell arrangement	60 / 6 x 10
Cells dimension	6"
Packing unit	25 modules
Weight of packing unit	530 kg / 1166 lbs

## MECHANICAL SPECIFICATIONS

Outer dimensions (L x W x H)	1652 x 994 x 40 mm 65.04 x 39.13 x 1.57 in
Frame technology	Aluminum, black anodized
Module composition	Glass / EVA / Backsheet (black)
Weight (module only)	19.5 kg / 42.9 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 class	C
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 CHSM6610M (BL) Series

Model	Article No. (IEC)	Article No. (UL)
(NOVA) CHSM6610M (BL)-250	100320	100314
(NOVA) CHSM6610M (BL)-255	100321	100315
(NOVA) CHSM6610M (BL)-260	100322	100316
(NOVA) CHSM6610M (BL)-265	100323	100317
(NOVA) CHSM6610M (BL)-270	100324	100318

## MODULE DIMENSION DETAILS

Front view	Side view	Rear view	Frame cross section

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