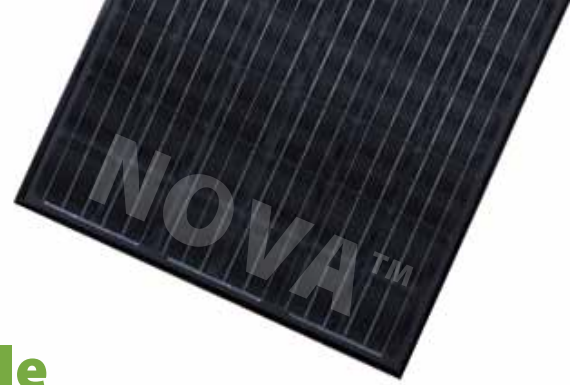




# NOVA™ Datasheet Crystalline PV Module CHSM6610M (BL) Series



245	250	255	260
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## ELECTRICAL SPECIFICATIONS

STC rated output (P <sub>mpp</sub> )*	245 Wp	250 Wp	255 Wp	260 Wp
PTC rated output (P <sub>mpp</sub> )**	218.4 Wp	223.0 Wp	227.6 Wp	232.2 Wp
Standard sorted output	0/+5 Wp			
Warranted power output STC (P <sub>mpp min</sub> )	245 Wp	250 Wp	255 Wp	260 Wp
Rated voltage (V <sub>mpp</sub> ) at STC	30.12 V	30.48 V	30.84 V	31.19 V
Rated current (I <sub>mpp</sub> ) at STC	8.16 A	8.23 A	8.31 A	8.38 A
Open circuit voltage (V <sub>oc</sub> ) at STC	37.94 V	38.09 V	38.24 V	38.39 V
Short circuit current (I <sub>sc</sub> ) at STC	8.61 A	8.64 A	8.67 A	8.70 A
Module efficiency	14.9%	15.2%	15.5%	15.8%
Rated output (P <sub>mpp</sub> ) at NOCT	177.6 Wp	181.2 Wp	184.8 Wp	188.4 Wp
Rated voltage (V <sub>mpp</sub> ) at NOCT	26.84 V	27.15 V	27.43 V	27.73 V
Rated current (I <sub>mpp</sub> ) at NOCT	6.62 A	6.67 A	6.74 A	6.79 A
Open circuit voltage (V <sub>oc</sub> ) at NOCT	34.53 V	34.66 V	34.80 V	34.94 V
Short circuit current (I <sub>sc</sub> ) at NOCT	7.11 A	7.13 A	7.15 A	7.18 A
Temperature coefficient (P <sub>mpp</sub> )	- 0.47%/K	Maximum system voltage (UL/IEC)		1000 V <sub>dc</sub>
Temperature coefficient (I <sub>sc</sub> )	+0.035%/K	Number of diodes		6 (or 3)
Temperature coefficient (I <sub>mpp</sub> )	- 0.042%/K	Maximum series fuse rating		15 A
Temperature coefficient (V <sub>mpp</sub> )	- 0.433%/K			
Temperature coefficient (V <sub>oc</sub> )	- 0.328%/K			
Normal operating cell temperature (NOCT)	47±2°C			

\* Measurement tolerance +/- 3%

\*\* Estimated



## RELATED PARAMETERS

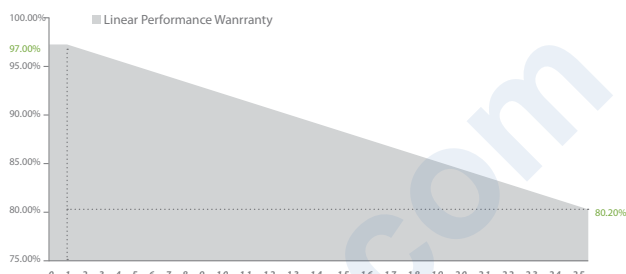
Cell type	monocrystalline
Number of cells / cell arrangement	60 / 6 x 10
Cells dimension	6"
Packing unit	25 modules
Weight of packing unit	530 kg / 1166 lbs

## 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)-245	100319	100313
(NOVA) CHSM6610M(BL)-250	100320	100314
(NOVA) CHSM6610M(BL)-255	100321	100315
(NOVA) CHSM6610M(BL)-260	100322	100316

## MODULE DIMENSION DETAILS

Front view	Side view	Rear view	Frame cross section

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