

NOVA™ Datasheet Crystalline PV Module CHSM6612M Series

315 320 325 330 335

EN

ELECTRICAL SPECIFICATIONS

	315	320	325	330	335
STC rated output (P_{mpp})*	315 Wp	320 Wp	325 Wp	330 Wp	335 Wp
PTC rated output (P_{mpp})**	281.5 Wp	286.1 Wp	290.7 Wp	295.3 Wp	300.0 Wp
Standard sorted output	0/+5 Wp				
Warranted power output STC ($P_{nominal}$)	315 Wp	320 Wp	325 Wp	330 Wp	335 Wp
Rated voltage (V_{mpp}) at STC	37.74 V	38.11 V	38.43 V	38.73 V	39.04 V
Rated current (I_{mpp}) at STC	8.35 A	8.41 A	8.47 A	8.52 A	8.58 A
Open circuit voltage (V_{oc}) at STC	45.58 V	45.69 V	45.74 V	45.89 V	46.01 V
Short circuit current (I_{sc}) at STC	8.56 A	8.59 A	8.60 A	8.62 A	8.63 A
Module efficiency	16.3%	16.5%	16.8%	17.1%	17.3%
Rated output (P_{mpp}) at NOCT	228.3 Wp	231.9 Wp	235.5 Wp	239.2 Wp	242.8 Wp
Rated voltage (V_{mpp}) at NOCT	33.72 V	34.01 V	34.30 V	34.62 V	34.90 V
Rated current (I_{mpp}) at NOCT	6.77 A	6.82 A	6.87 A	6.91 A	6.96 A
Open circuit voltage (V_{oc}) at NOCT	41.48 V	41.58 V	41.63 V	41.76 V	41.87 V
Short circuit current (I_{sc}) at NOCT	7.06 A	7.09 A	7.09 A	7.11 A	7.12 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 _{bc} ***				
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

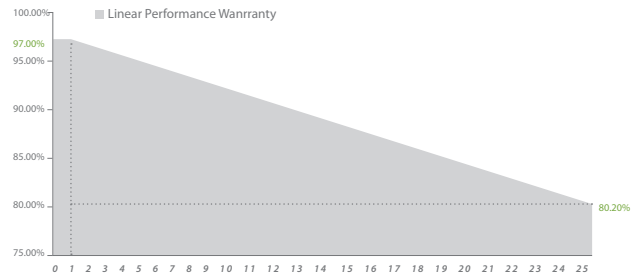
Cell type	monocrystalline
Number of cells / cell arrangement	72 / 6 x 12
Cells dimension	6"
Packing unit	25 modules
Weight of packing unit	703 kg / 1550 lbs

MECHANICAL SPECIFICATIONS

Outer dimensions (L x W x H)	1954 x 990 x 40 mm 76.93 x 38.98 x 1.57 in
Frame technology	Aluminum, silver anodized
Module composition	Glass / EVA / Backsheet (white)
Weight (module only)	25.8 kg / 56.88 lbs
Front glass thickness	4.0 mm / 0.16 in
Junction box IP rating	IP 65 (above)
Cable length (UL/IEC)	1150 mm / 45.28 in
Cable diameter (UL/IEC)	12AWG/ 4 mm ²
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 _{mpp} (STC)	1 st year
Output decline 0.7%/year performance P _{mpp} (STC)	2 nd - 25 th years



ARTICLE NUMBER (per panel)-(NOVA) CHSM6612M Series

Model	Article No. (IEC)	Article No. (UL)
(NOVA) CHSM6612M-315	100477	100484
(NOVA) CHSM6612M-320	100478	100485
(NOVA) CHSM6612M-325	100479	100486
(NOVA) CHSM6612M-330	100480	100487
(NOVA) CHSM6612M-335	100481	100488

MODULE DIMENSION DETAILS

Front view	Side view	Rear view	Frame cross section

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