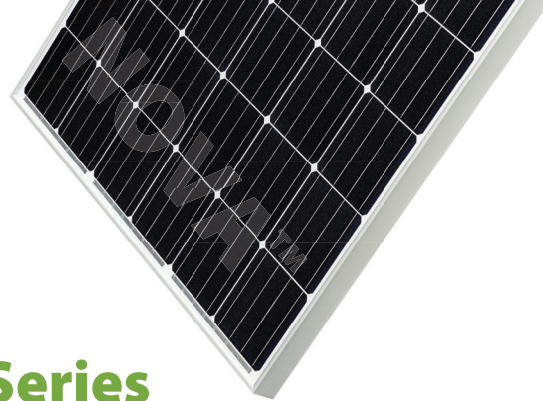


For Global Market



NOVA™

Crystalline PV Module

Baseline CHSM6612M Series

Baseline CHSM6612M/HV Series

CHSM6612M max system voltage 1000V standard, CHSM6612M/HV max system voltage 1500V standard

325 330 335 340 345

EN

ELECTRICAL SPECIFICATIONS

	325	330	335	340	345
STC rated output (P_{mpp})*	325 Wp	330 Wp	335 Wp	340 Wp	345 Wp
PTC rated output (P_{mpp})**	298.8 Wp	303.5 Wp	308.2 Wp	313.0 Wp	317.7 Wp
Standard sorted output	0/+5 Wp				
Warranted power output STC ($P_{nominal}$)	325 Wp	330 Wp	335 Wp	340 Wp	345 Wp
Rated voltage (V_{mpp}) at STC	37.29 V	37.56 V	37.82 V	38.08V	38.34 V
Rated current (I_{mpp}) at STC	8.73 A	8.80 A	8.87 A	8.93 A	9.01 A
Open circuit voltage (V_{oc}) at STC	45.73 V	45.89 V	45.98 V	46.38 V	46.70 V
Short circuit current (I_{sc}) at STC	9.26 A	9.29 A	9.38 A	9.41 A	9.48 A
Module efficiency	16.8%	17.1%	17.3%	17.6%	17.8%
Rated output (P_{mpp}) at NOCT	239.4 Wp	243.0 Wp	246.7 Wp	250.4 Wp	254.1 Wp
Rated voltage (V_{mpp}) at NOCT	34.39 V	34.65 V	34.88 V	35.14 V	35.36 V
Rated current (I_{mpp}) at NOCT	6.96 A	7.02 A	7.07 A	7.13 A	7.19 A
Open circuit voltage (V_{oc}) at NOCT	42.40 V	42.55 V	42.63 V	43.00 V	43.30 V
Short circuit current (I_{sc}) at NOCT	7.44 A	7.46 A	7.54 A	7.56 A	7.62 A
Temperature coefficient (P_{mpp})	- 0.376%/K				
Temperature coefficient (I_{sc})	+0.043%/K				
Temperature coefficient (I_{mpp})	- 0.008%/K				
Temperature coefficient (V_{mpp})	- 0.370%/K				
Temperature coefficient (V_{oc})	- 0.282%/K				
Normal operating cell temperature (NOCT)	46±2°C				
Maximum system voltage (IEC/UL)	1000V _{dc} / 1000V _{dc} or 1500V _{dc} / 1500V _{dc}				
Number of diodes	6 (or 3)				
Maximum series fuse rating	15 A				

* 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 (for container)	598 kg / 1318 lbs

MECHANICAL SPECIFICATIONS

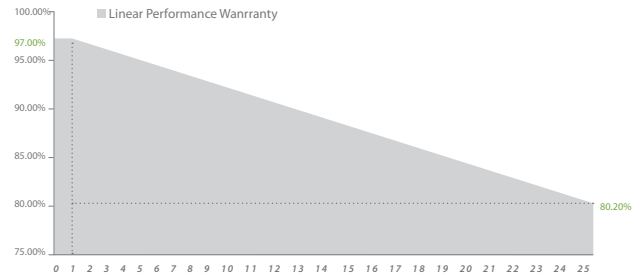
Outer dimensions (L x W x H)	1954 x 990 x 40 mm 76.93 x 38.98 x 1.57 in
Frame technology	Aluminum, silver anodized
Module composition	Glass / EVA / Backsheet (white)
Weight (module only)	21.8 kg / 48.10 lbs
Front glass thickness	3.2 mm / 0.13 in
Junction box IP rating	IP 65 (above)
¹ Cable length (UL/IEC)	900(+)/600(-)mm / 35.43/23.62 in
Cable diameter (UL/IEC)	12 AWG / 4 mm ²
² Maximum load capacity	5400 Pa
Fire performance (UL/IEC)	Type 1 (UL) or Class C (IEC)
Connector type (UL/IEC)	MC4 compatible

¹ Option: 1000mm or 1150mm for defined projects in advance.

² Refer to Astronergy crystalline installation manual.

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

Model	Article No. (IEC)	Article No. (UL)
(NOVA) CHSM6612M-325	100540	100548
(NOVA) CHSM6612M-330	100541	100549
(NOVA) CHSM6612M-335	100542	100550
(NOVA) CHSM6612M-340	100543	100551
(NOVA) CHSM6612M-345	100544	100552
(NOVA) CHSM6612M/HV-325	900097	900105
(NOVA) CHSM6612M/HV-330	900098	900106
(NOVA) CHSM6612M/HV-335	900099	900107
(NOVA) CHSM6612M/HV-340	900100	900108
(NOVA) CHSM6612M/HV-345	900101	900109

MODULE DIMENSION DETAILS

Front view	Side view	Rear view	Frame cross section

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