



NOVA™ Datasheet Crystalline PV Module Baseline CHSM6612M (FR) Series



325 330 335 340 345

EN

ELECTRICAL SPECIFICATIONS

	325 Wp	330 Wp	335 Wp	340 Wp	345 Wp
STC rated output (P_{mpp}) ^①	325 Wp	330 Wp	335 Wp	340 Wp	345 Wp
PTC rated output (P_{mpp}) ^②	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	38.08 V	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		Maximum system voltage (IEC)		
Temperature coefficient (I_{sc})	+0.043%/K		1000 Vdc ^③		
Temperature coefficient (I_{mpp})	-0.008%/K		Number of diodes		
Temperature coefficient (V_{mpp})	-0.370%/K		3		
Temperature coefficient (V_{oc})	-0.282%/K		Maximum series fuse rating		
Normal operating cell temperature (NOCT)	46±2°C		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	72 / 6 x 12
Cells dimension	6"
Packing unit	25 modules
Weight of packing unit	598 kg / 1318 lbs

MECHANICAL SPECIFICATIONS

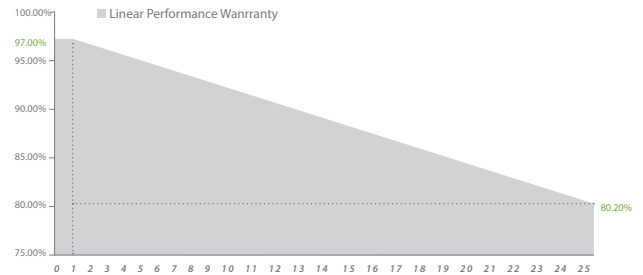
Outer dimensions (L x W x H)	1954 x 990 x 40 mm 76.93 x 38.98 x 1.57 in
Frame technology	Aluminum, silver anodized
Module composition	Glass / EVA / Backsheet (white)
Weight (module only)	21.8 kg / 48.1 lbs
Front glass thickness	3.2 mm / 0.13 in
Junction box IP rating	IP 67
^① Cable length / diameter (IEC)	900(+)/600(-)mm / 4 mm ²
^② 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)

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

^② Refer to Astronergy crystalline installation manual.

QUALIFICATION AND LINEAR WARRANTIES

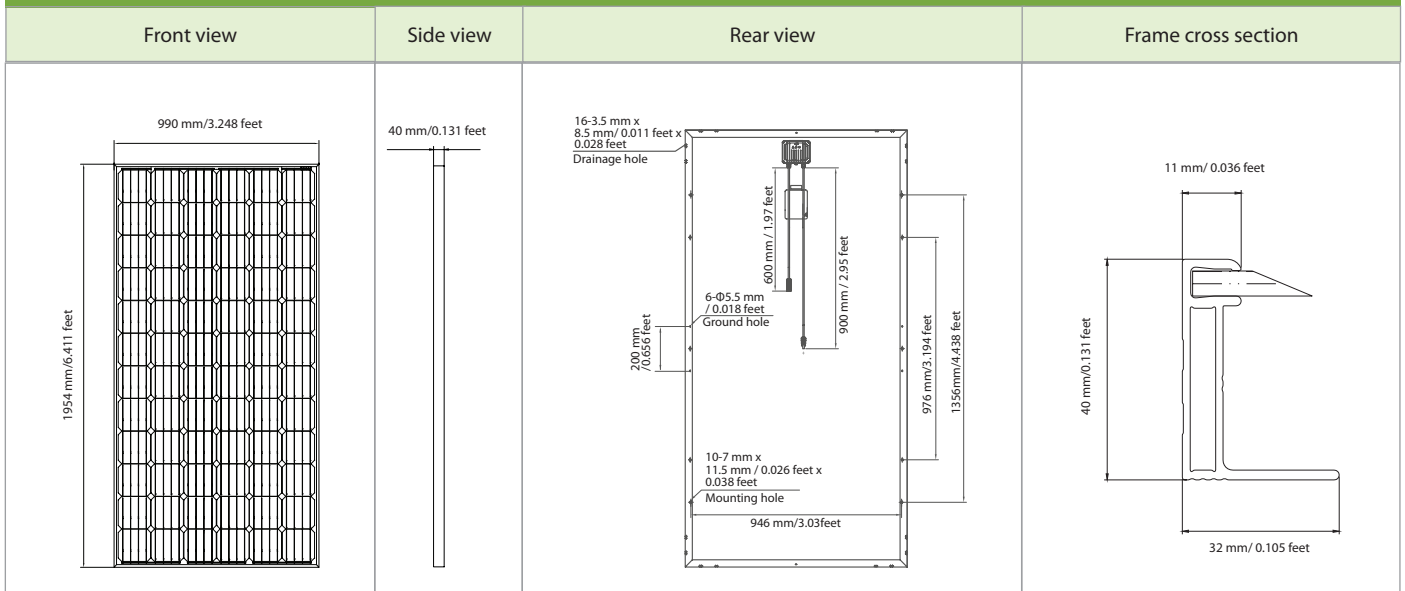
Product standard	IEC 61215, 61730
Extended product warranty	10 years
Output decline 3%/year performance P _{mpp} (STC)	1 st year
Output decline 0.7%/year performance P _{mpp} (STC)	2 nd ~ 25 th years



ARTICLE NUMBER

Model	Article No. (IEC)
(NOVA) CHSM6612M (FR)-325	100683
(NOVA) CHSM6612M (FR)-330	100684
(NOVA) CHSM6612M (FR)-335	100685
(NOVA) CHSM6612M (FR)-340	100686
(NOVA) CHSM6612M (FR)-345	100687

MODULE DIMENSION DETAILS



Made in China

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