For Global Market

MaysunSolar

Monocrystalline PV Module

MS(330-380)M-72 Series

- High PID resist performance
- Excellent low light performance with advanced surface texturing and back surface field.
- Multi-busbar design decreases the risk of the cell micro-cracks and fingers broken.
- Lower series resistance/improved light harvesting enable high conversion efficiency and more power output.

330	340	350	360	370	380

System voltage 1000V/1500V standard

EN

ELECTRICAL SPECIFICATIONS

STC rated output (P_{mpp})*	330 Wp	340 Wp	350 Wp	360 Wp	370 Wp	380 Wp
PV Module size	1956*992*35 MM					
Standard sorted output	0/+5 Wp					
Warranted power output STC ($P_{nominal}$)	330 Wp	340 Wp	350 Wp	360 Wp	370 Wp	380 Wp
Rated voltage (V_{mpp}) at STC	37.93 V	38.41 V	38.89 V	39.37 V	39.85 V	39.99 V
Rated current (I_{mpp}) at STC	8.70 A	8.85 A	9.00 A	9.14 A	9.28 A	9.50 A
Open circuit voltage (V_{oc}) at STC	45.90 V	46.48 V	47.06 V	47.64 V	48.22 V	48.60 V
Short circuit current (I_{sc}) at STC	9.22 A	9.38 A	9.54 A	9.68 A	9.84 A	9.98 A
Module efficiency	17.0%	17.5%	18.0%	18.6%	19.1%	19.5%
Rated output (P_{mpp}) at NOCT	242.6 Wp	249.9 Wp	257.3 Wp	264.6 Wp	271.9 Wp	277.8 Wp
Rated voltage (V_{mpp}) at NOCT	34.91 V	35.34 V	35.78 V	36.22 V	36.66 V	36.86 V
Rated current (I_{mpp}) at NOCT	6.95 A	7.07 A	7.20 A	7.31 A	7.42 A	7.54 A
Open circuit voltage (V_{oc}) at NOCT	43.29 V	43.99 V	44.37 V	44.91 V	45.46 V	46.22 V
Short circuit current (I_{sc}) at NOCT	7.39 A	7.53 A	7.66 A	7.78 A	7.89 A	8.07 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)	1000V_{DC} / 1500V_{DC}
Number of diodes	3
Maximum series fuse rating	15 A

* Measurement tolerance +/- 3%

IEC 61701 Salt Spray test Severity (3)

IEC 60068-2-68 Sand test

IEC 62804 1500V PID test

MAYSUN SOLAR

RELATED PARAMETERS

Cell type	Monocrystalline
Number of cells / cell arrangement	72 / 6 x12
Cells dimension	6"
Packing unit	27 modules
Weight of packing unit (for container)	621 kg / 1369 lbs

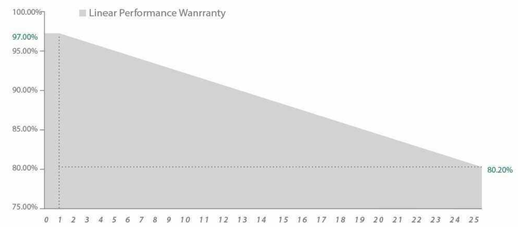
MECHANICAL SPECIFICATIONS

Outer dimensions (L x W x H)	1956 x 992 x 40 mm 77 x 39.06 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
①Cable length(IEC)	600/900 mm / 23.62/35.43 in
Cable diameter (IEC)	12 AWG /4 mm^2
②Maximum load capacity	5400 Pa
Fire performance (IEC)	Class C
Connector type (IEC)	MC4 compatible

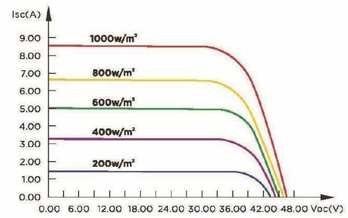
Refer to Maysun Solar crystalline installation manual.

QUALIFICATION AND LINEAR WARRANTIES

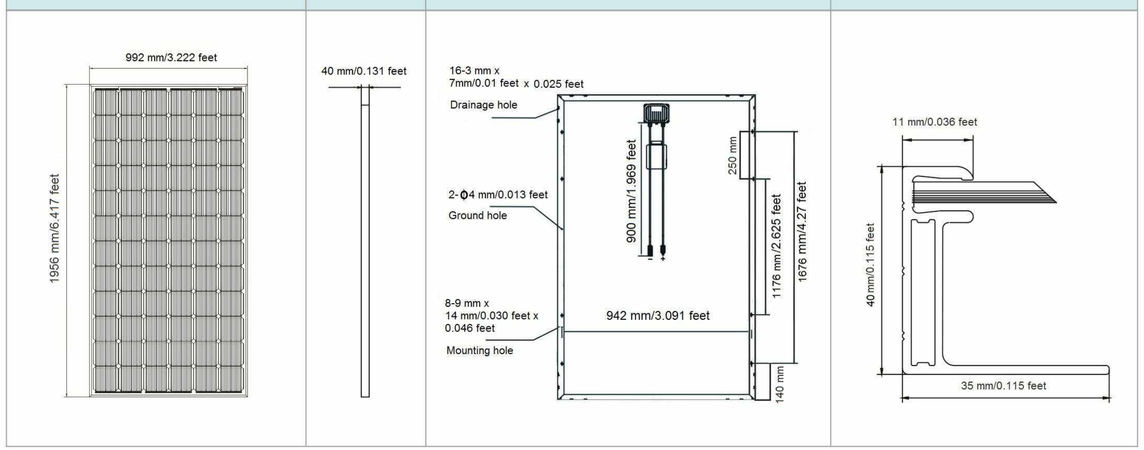
Product standard	IEC61215, 61730
Extended product warranty	12 years
Output decline 3%/year performance P_{mpp} (STC)	1st year
Output decline 0.7%/year performance P_{mpp} (STC)	2nd~ 25th years



I-V Curves of PV module MS3 20M-72 at various solar irradiance



MODULE DIMENSION DETAILS



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