

For Global Market



Maysun Solar

Monocrystalline

PV Module

MS(345-370)M-72 Series

- ▶ High PID resist performance
- ▶ Steady power output
- ▶ Reducing cell series resistance
- ▶ More power output

System voltage 1000V/1500V standard

345	350	355	360	365	370
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ELECTRICAL SPECIFICATIONS

STC rated output (P _{mpp})*	345 Wp	350 Wp	355 Wp	360 Wp	365 Wp	370 Wp
PV Module size	1956*992*40 MM					
Standard sorted output	0/+5 Wp					
Warranted power output STC (P _{nominal})	345 Wp	350 Wp	355 Wp	360 Wp	365 Wp	370 Wp
Rated voltage (V _{mpp}) at STC	38.65 V	38.89 V	39.13 V	39.37 V	39.61 V	39.85 V
Rated current (I _{mpp}) at STC	8.93 A	9.00 A	9.07 A	9.14 A	9.21 A	9.28 A
Open circuit voltage (V _{oc}) at STC	46.77 V	47.06 V	47.35 V	47.64 V	47.93 V	48.22 V
Short circuit current (I _{sc}) at STC	9.46 A	9.54 A	9.62 A	9.68 A	9.77 A	9.84 A
Module efficiency	17.8%	18.0%	18.3%	18.6%	18.8%	19.1%
Rated output (P _{mpp}) at NOCT	253.6 Wp	257.3 Wp	260.9 Wp	264.6 Wp	268.3 Wp	271.9 Wp
Rated voltage (V _{mpp}) at NOCT	35.56 V	35.78 V	36.01 V	36.22 V	36.43 V	36.66 V
Rated current (I _{mpp}) at NOCT	7.13 A	7.20 A	7.25 A	7.31 A	7.37 A	7.42 A
Open circuit voltage (V _{oc}) at NOCT	44.10 V	44.37 V	44.66 V	44.91 V	45.17 V	45.46 V
Short circuit current (I _{sc}) at NOCT	7.58 A	7.66 A	7.71 A	7.78 A	7.84 A	7.89 A

Temperature coefficient (P _{mpp})	-0.376%/K	Maximum system voltage (IEC)	1000V _{dc} / 1500V _{dc}
Temperature coefficient (I _{sc})	+0.043%/K	Number of diodes	3
Temperature coefficient (I _{mpp})	-0.008%/K	Maximum series fuse rating	15 A
Temperature coefficient (V _{mpp})	-0.370%/K		
Temperature coefficient (V _{oc})	-0.282%/K		
Normal operating cell temperature (NOCT)	46±2°C		

* Measurement tolerance +/- 3%



MAYSUN SOLAR



RELATED PARAMETERS

Cell type	Monocrystalline
Number of cells / cell arrangement	72 / 6 x 12
Cells dimension	6"
Packing unit	27 modules
Weight of packing unit (for container)	621 kg / 1369 lbs

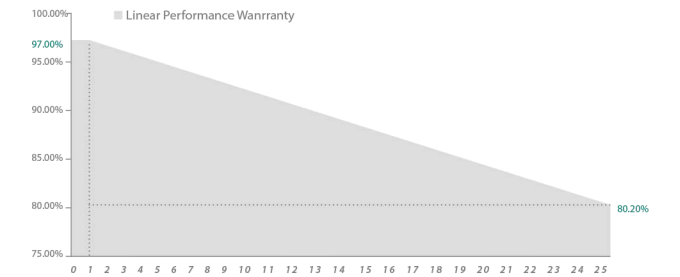
MECHANICAL SPECIFICATIONS

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
① Cable length (IEC)	600/900 mm / 23.62/35.43 in
Cable diameter (IEC)	12 AWG / 4 mm ²
② Maximum load capacity	5400 Pa
Fire performance (IEC)	Class C
Connector type (IEC)	MC4 compatible

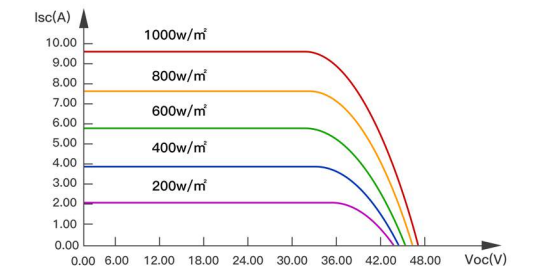
Refer to Maysun Solar crystalline installation manual.

QUALIFICATION AND LINEAR WARRANTIES

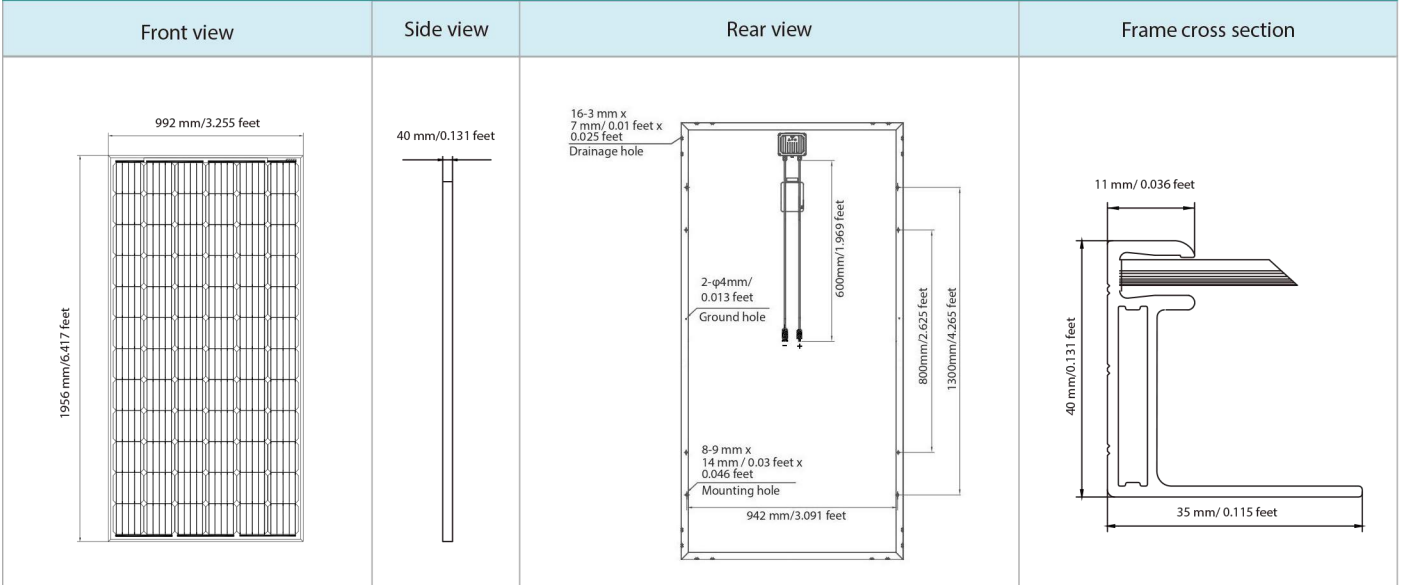
Product standard	IEC61215, 61730
Extended product warranty	12 years
Output decline 3%/year performance P _{mpp} (STC)	1 st year
Output decline 0.7%/year performance P _{mpp} (STC)	2 nd -25 th years



I-V Curves of PV module MS360M-72 at various solar irradiance



MODULE DIMENSION DETAILS



Maysun Solar FZCO Reserves the right of final interpretation. Specifications and designs included in this datasheet are subject to change without notice.

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