

For Global Market



Maysun Solar

Monocrystalline PV Module

MS(315-340)M-72 Series

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

System voltage 1000V/1500V standard

315	320	325	330	335	340
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ELECTRICAL SPECIFICATIONS

STC rated output (P _{mpp})*	315 Wp	320 Wp	325 Wp	330 Wp	335 Wp	340 Wp
PV Module size	1956*992*40 MM					
Standard sorted output	0/+5 Wp					
Warranted power output STC (P _{nominal})	315 Wp	320 Wp	325 Wp	330 Wp	335 Wp	340 Wp
Rated voltage (V _{mpp}) at STC	37.21 V	37.45 V	37.69 V	37.93 V	38.17 V	38.41 V
Rated current (I _{mpp}) at STC	8.47 A	8.54 A	8.62 A	8.70 A	8.78 A	8.85 A
Open circuit voltage (V _{oc}) at STC	45.02 V	45.31 V	45.60 V	45.90 V	46.19 V	46.48 V
Short circuit current (I _{sc}) at STC	8.97 A	9.06 A	9.14 A	9.22 A	9.30 A	9.38 A
Module efficiency	16.2%	16.5%	16.8%	17.0%	17.3%	17.5%
Rated output (P _{mpp}) at NOCT	231.5 Wp	235.2 Wp	238.9 Wp	242.6 Wp	246.3 Wp	249.9 Wp
Rated voltage (V _{mpp}) at NOCT	34.22 V	34.45 V	34.68 V	34.91 V	35.13 V	35.34 V
Rated current (I _{mpp}) at NOCT	6.77 A	6.83 A	6.89 A	6.95 A	7.01 A	7.07 A
Open circuit voltage (V _{oc}) at NOCT	42.43 V	42.72 V	43.01 V	43.29 V	43.56 V	43.99 V
Short circuit current (I _{sc}) at NOCT	7.21 A	7.27 A	7.33 A	7.39 A	7.47 A	7.53 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%



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

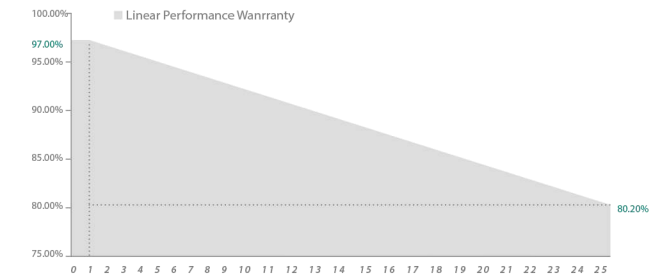
MECHANICAL SPECIFICATIONS

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

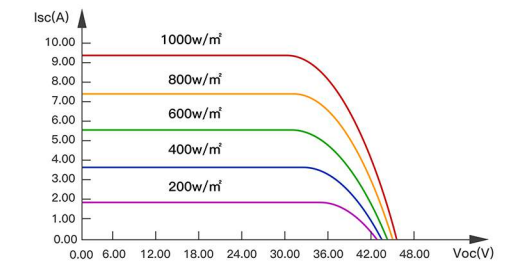
Refer to Maysun Solar crystalline installation manual.

QUALIFICATION AND LINEAR WARRANTIES

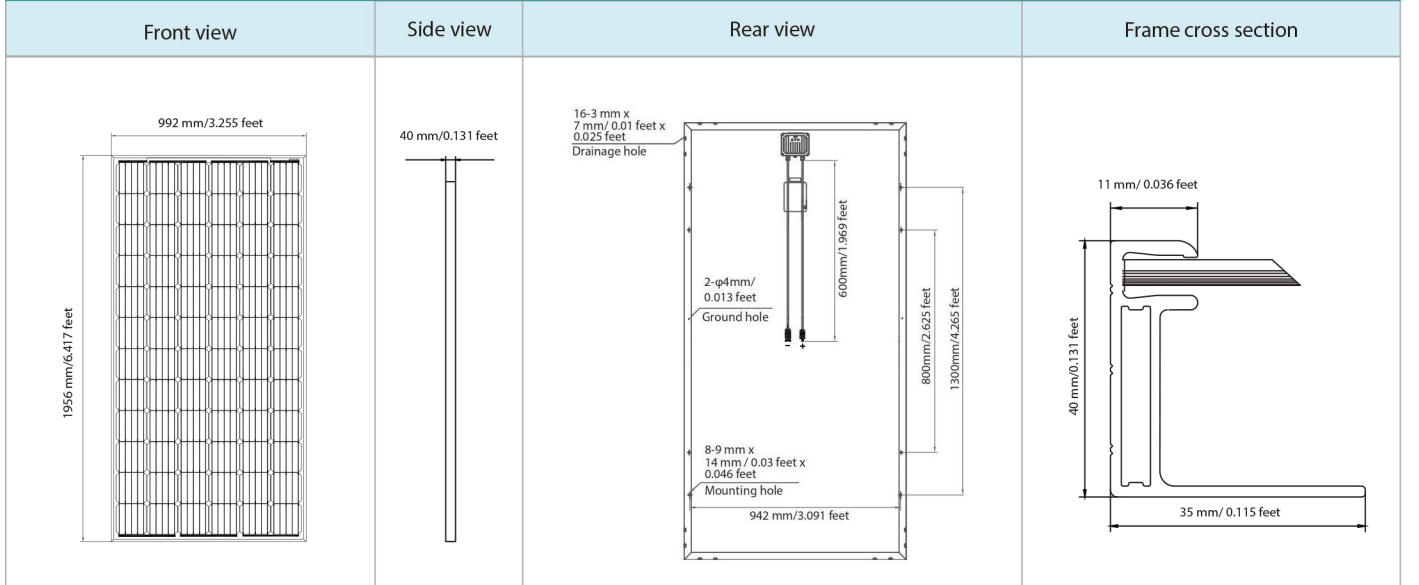
Product standard	IEC61215, 61730
Extended product warranty	12 years
Output decline 3%/year performance P _{mpp} (STC)	1 st year
Output decline 0.7%/year performance P _{mpp} (STC)	2 nd -25 th years



I-V Curves of PV module MS330M-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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