

For Global Market



Maysun Solar

Monocrystalline Black PV Module

MS(340-370)M-72 Series

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

System voltage 1000V/1500V standard

340	345	350	355	360	365	370
-----	-----	-----	-----	-----	-----	-----

EN

ELECTRICAL SPECIFICATIONS

STC rated output (P _{mpp})*	340 Wp	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})	340 Wp	345 Wp	350 Wp	355 Wp	360 Wp	365 Wp	370 Wp
Rated voltage (V _{mpp}) at STC	38.41 V	38.65 V	38.89 V	39.13 V	39.37 V	39.61 V	39.85 V
Rated current (I _{mp}) at STC	8.85 A	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	46.48 V	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	9.38 A	9.46 A	9.54 A	9.62 A	9.68 A	9.77 A	9.84 A
Module efficiency	17.5%	17.8%	18.0%	18.3%	18.6%	18.8%	19.1%
Rated output (P _{mpp}) at NOCT	249.9 Wp	253.6 Wp	257.3 Wp	260.9 Wp	264.6 Wp	268.3 Wp	271.9 Wp
Rated voltage (V _{mpp}) at NOCT	35.34 V	35.56 V	35.78 V	36.01 V	36.22 V	36.43 V	36.66 V
Rated current (I _{mp}) at NOCT	7.07 A	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	43.99 V	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	7.53 A	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 _{mp})	-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

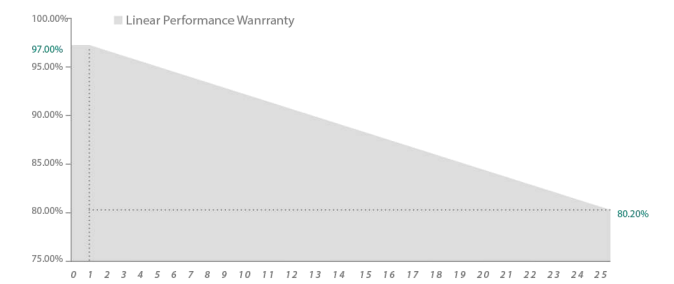
MECHANICAL SPECIFICATIONS

Outer dimensions (L x W x H)	1956 x 992 x 40 mm 77 x 39.06 x 1.57 in
Frame technology	Black Aluminum, silver anodized
Module composition	Glass / EVA / Backsheet (black)
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

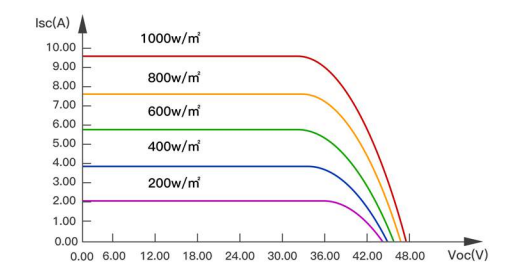
Refer to Maysun Solar crystalline installation manual.

QUALIFICATION AND LINEAR WARRANTIES

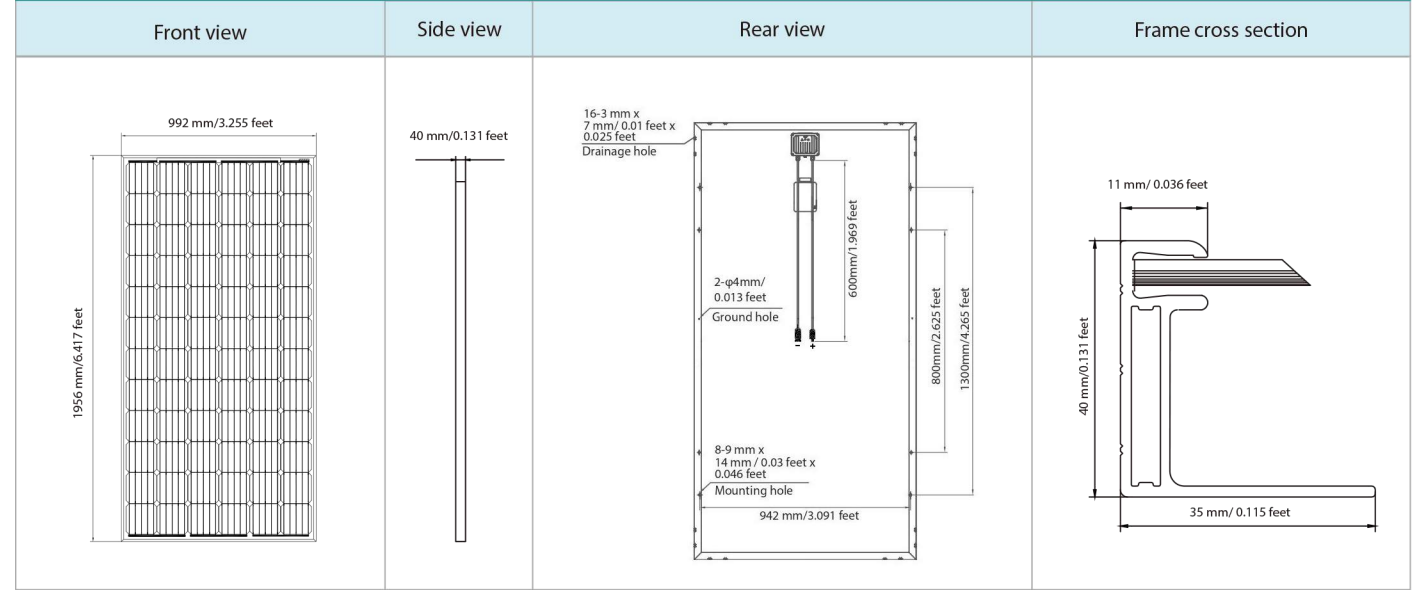
Product standard	IEC61215, 61730
Extended product warranty	12 years
Output decline 3%/year performance P _{mpp} (STC)	1 st year
Output decline 0.7%/year performance P _{mpp} (STC)	2 nd -25 th years



I-V Curves of PV module MS355 M-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.

Maysun Solar FZCO
Address: No.FZS2AB01, Jebel Ali, Dubai, UAE
Website: www.maysunsolar.com