

For Global Market



MaysunSolar

Monocrystalline PV Module

MS(330-380)M-72 Series



12BB

- ▶ High PID resist performance
- ▶ Excellent low light performance with advanced surface texturing and back surface field.
- ▶ Multi-bar 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

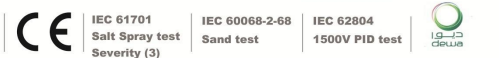
EN

ELECTRICAL SPECIFICATIONS

STC rated output (P _{mpp})*	330 Wp	340 Wp	350 Wp	360 Wp	370 Wp	380 Wp
PV Module size	1956*992*40 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	Maximum system voltage (IEC)	1000V _{oc} / 1500V _{oc}
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	Operating Temperature	-40°C to +85°C
Temperature coefficient (V _{oc})	-0.282%/K		
Normal operating cell temperature (NOCT)	46±2°C		

* Measurement tolerance +/- 3%



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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

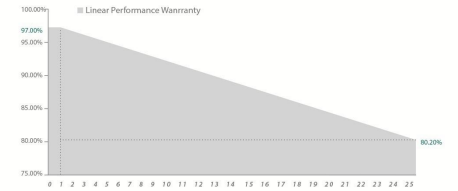
MECHANICAL SPECIFICATIONS

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

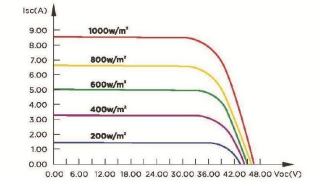
Refer to Maysun Solar crystalline installation manual.

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 MS3 20M-72 at various solar irradiance



MODULE DIMENSION DETAILS

Front view	Side view	Rear view	Frame cross section

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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