

For Global Market



MaysunSolar

Polycrystalline PV Module

MS(340-375)P-72H Series

9BB

- More uniform current collection ability, reduces the current and heat loss of the battery in the module; beautiful appearance, more suitable for roof installation.
- Using half-piece PERC structure technology (low resistance), the output of mono crystalline 72pcs series is up to 410W (module conversion efficiency is up to 20.37%).
- System voltage 1000V/1500V standard
- It can ensure that the components produced on a large scale can pass the PID (potential induced attenuation) test.
- Excellent performance in low light environment achieved by using excellent surface velvet technology of glass and cells.
- The whole module is certified by 2400Pa wind load and 5400Pa snow load.
- Certified by high salt spray and high ammonia corrosion test

340 345 350 355 360 365 370 375

EN

ELECTRICAL SPECIFICATIONS

STC rated output (P _{mpp})*	340 Wp	345 Wp	350 Wp	355 Wp	360 Wp	365 Wp	370 Wp	375 Wp
PV Module size	2008*1002*35mm							
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	375 Wp
Rated voltage (V _{mpp}) at STC	37.60 V	37.80 V	38.00 V	38.20 V	38.40 V	38.60 V	38.80 V	39.00 V
Rated current (I _{mpp}) at STC	9.05 A	9.13 A	9.21 A	9.29 A	9.38 A	9.46 A	9.54 A	9.62 A
Open circuit voltage (V _{oc}) at STC	46.40 V	46.60 V	46.80 V	47.00 V	47.20 V	47.40 V	47.60 V	47.80 V
Short circuit current (I _{sc}) at STC	9.50 A	9.57 A	9.64 A	9.71 A	9.78 A	9.86 A	9.93 A	10.01 A
Module efficiency	16.80 %	17.13 %	17.38 %	17.63 %	17.87 %	18.12 %	18.37 %	18.62 %
Rated output (P _{mpp}) at NOCT	257 Wp	261Wp	265 Wp	269 Wp	273 Wp	277 Wp	281 Wp	285 Wp
Rated voltage (V _{mpp}) at NOCT	35.50 V	35.70 V	35.90 V	36.10 V	36.30 V	36.50 V	36.70 V	36.90 V
Rated current (I _{mpp}) at NOCT	7.36 A	7.43 A	7.50 A	7.57 A	7.52 A	7.59 A	7.66 A	7.73 A
Open circuit voltage (V _{oc}) at NOCT	43.20 V	43.50 V	43.80 V	44.10 V	44.40 V	44.70 V	44.90 V	45.20 V
Short circuit current (I _{sc}) at NOCT	7.71 A	7.78 A	7.85 A	7.92 A	7.97 A	8.05 A	8.12 A	8.19 A

Temperature coefficient (P _{mpp})	- 0.370%/K	Maximum system voltage (IEC)	1000V _{DC} / 1500V _{DC}
Temperature coefficient (I _{sc})	+0.050%/K	Number of diodes	3
Temperature coefficient (I _{mpp})	- 0.008%/K	Maximum series fuse rating	20 A
Temperature coefficient (V _{mpp})	- 0.370%/K	Operating Temperature	-40°C to +85°C
Temperature coefficient (V _{oc})	- 0.290%/K		
Normal operating cell temperature (NOCT)	45±2°C		

* Measurement tolerance +/- 3%



RELATED PARAMETERS

Cell type	Polycrystalline 158.75*79.375
Number of cells / cell arrangement	144 / 6*24
Cells dimension	6.75"
Packing unit	30 modules
Weight of packing unit (for container)	690kg / 1521 lbs

MECHANICAL SPECIFICATIONS

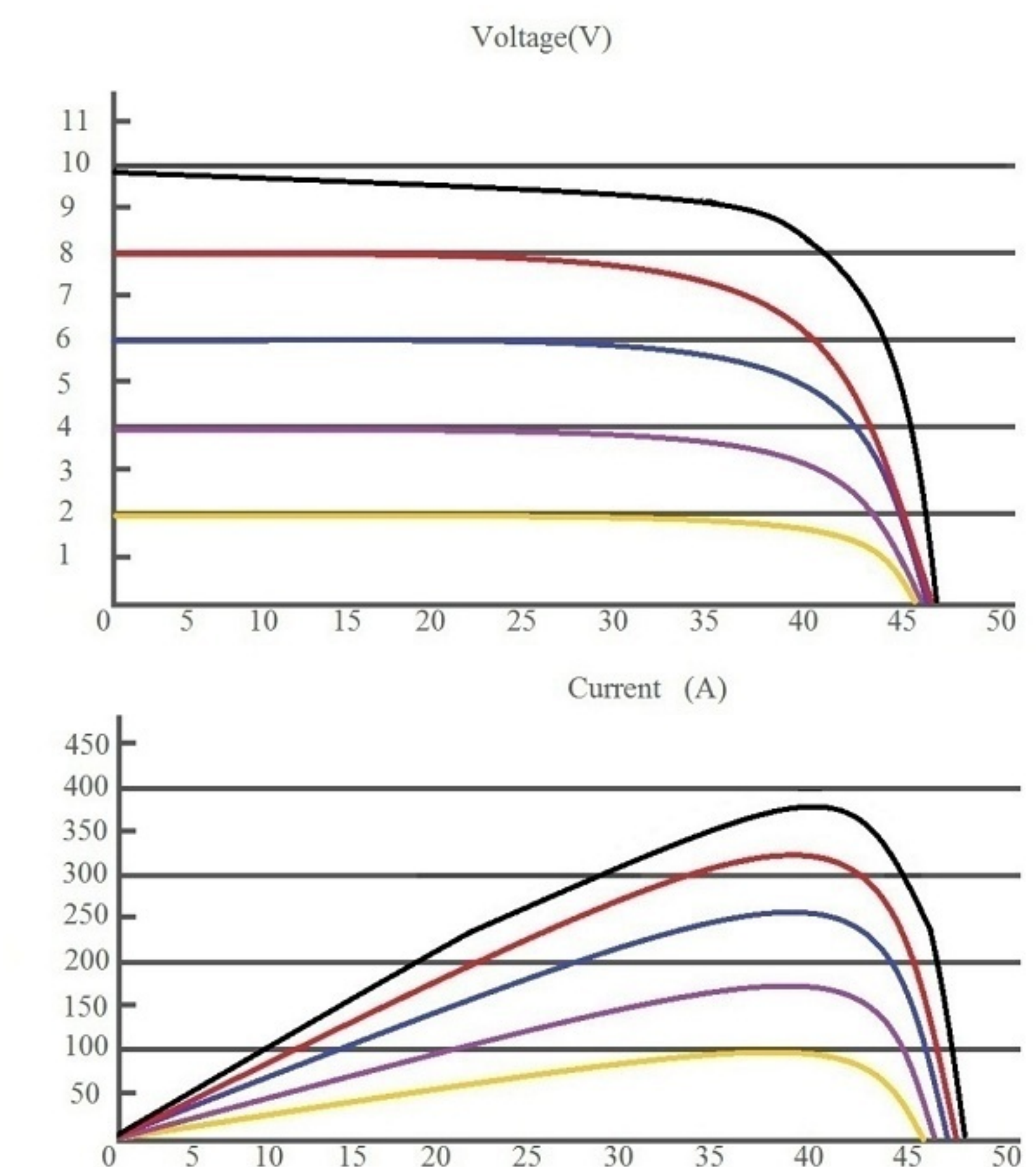
Outer dimensions (L x W x H)	2008*1002*35mm 79.13*39.45*1.57 in
Frame technology	Aluminum,silver anodized
Module composition	Glass/EVA/Backsheet(white)
Weight (module only)	23kg /50.71 lbs
Front glass thickness	3.2mm / 0.13 in
Junction box IP rating	IP 65/68
①Cable length(IEC)	300/400mm / 11.82/15.76 in
Cable diameter (IEC)	12 AWG/4mm ²
②Maximum load capacity	5400 Pa
Fire performance (IEC)	Class C
Connector type (IEC)	MC4 compatible

Refer to Maysun Solar crystalline installation manual.

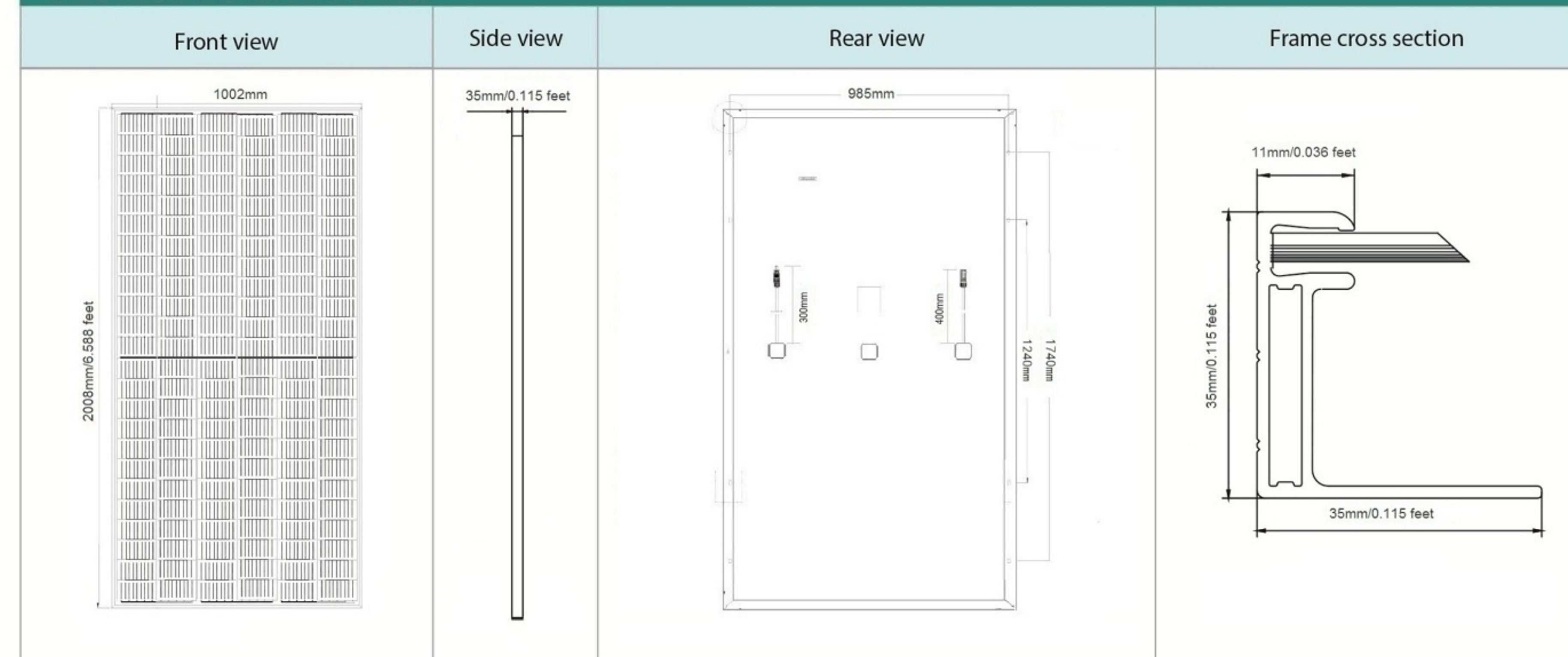
QUALIFICATION AND LINEAR WARRANTIES

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

I-V Curves of pv Module MS375P-72H at various solar irradiance



MODULE DIMENSION DETAILS



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

Website: www.maysunsolar.com

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