

For Global Market



Maysun Solar

Polycrystalline Black PV Module

MS(250-280)P-60 Series

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

System voltage 1000V/1500V standard

250	260	265	270	275	280
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ELECTRICAL SPECIFICATIONS

STC rated output (P _{mpp})*	250 Wp	260 Wp	265 Wp	270 Wp	275 Wp	280 Wp
PV Module size	1640*992*35 MM					
Standard sorted output	0/+5 Wp					
Warranted power output STC (P _{nominal})	250 Wp	260 Wp	265 Wp	270 Wp	275 Wp	280 Wp
Rated voltage (V _{mpp}) at STC	30.48 V	30.88 V	30.92 V	31.08 V	31.12 V	31.16 V
Rated current (I _{mpp}) at STC	8.21 A	8.43 A	8.58 A	8.70 A	8.85 A	8.99 A
Open circuit voltage (V _{oc}) at STC	37.47 V	37.72 V	37.87 V	38.00 V	38.45 V	38.85 V
Short circuit current (I _{sc}) at STC	8.81 A	8.95 A	9.18 A	9.45 A	9.52 A	9.67 A
Module efficiency	15.4%	16.0%	16.3%	16.6%	16.9%	17.2%
Rated output (P _{mpp}) at NOCT	187.5 Wp	195.0 Wp	198.8 Wp	202.5 Wp	206.3 Wp	210.1 Wp
Rated voltage (V _{mpp}) at NOCT	27.73 V	27.94 V	27.98 V	28.12 V	28.15 V	28.17 V
Rated current (I _{mpp}) at NOCT	6.90 A	6.98 A	7.10 A	7.20 A	7.33 A	7.46 A
Open circuit voltage (V _{oc}) at NOCT	34.24 V	34.46 V	34.60 V	34.71 V	35.13 V	35.16 V
Short circuit current (I _{sc}) at NOCT	7.45 A	7.54 A	7.73 A	7.96 A	8.02 A	8.09 A

Temperature coefficient (P _{mpp})	- 0.407%/K	Maximum system voltage (IEC)	1000V _{dc} / 1500V _{dc}
Temperature coefficient (I _{sc})	+0.049%/K	Number of diodes	3
Temperature coefficient (I _{mpp})	- 0.000%/K	Maximum series fuse rating	15 A
Temperature coefficient (V _{mpp})	- 0.408%/K		
Temperature coefficient (V _{oc})	- 0.310%/K		
Normal operating cell temperature (NOCT)	46±2°C		

* Measurement tolerance +/- 3%



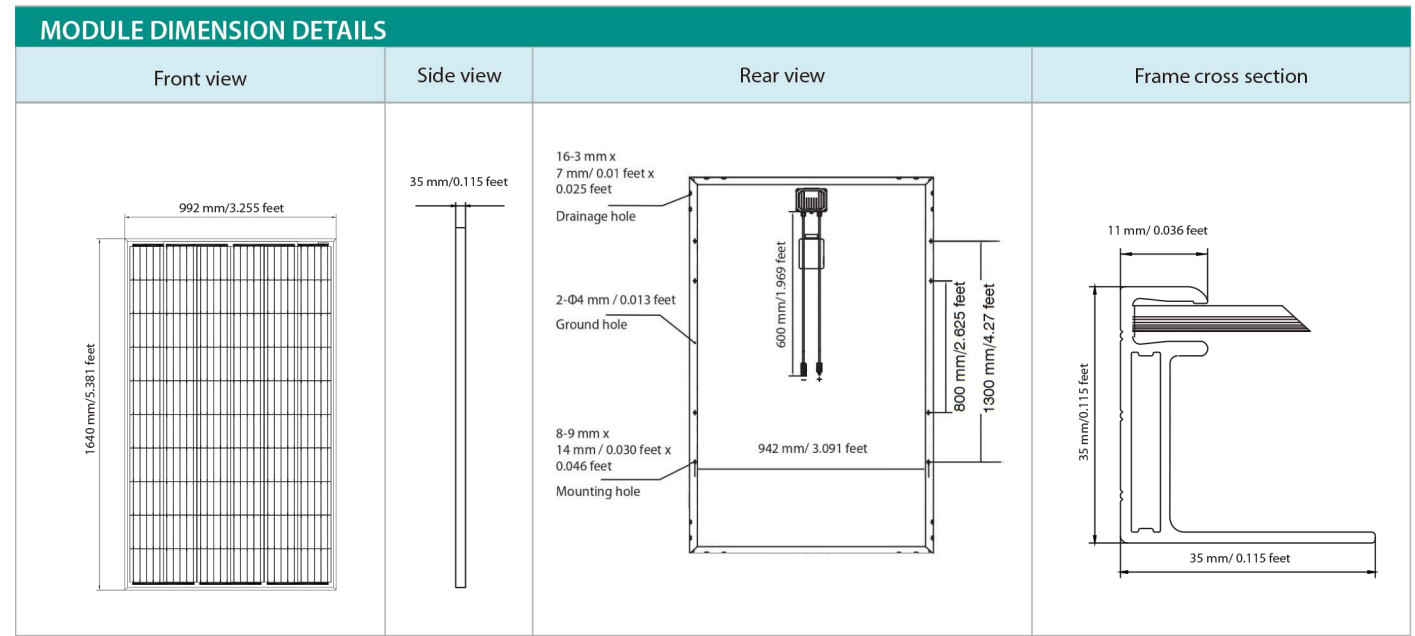
RELATED PARAMETERS

Cell type	Polycrystalline
Number of cells / cell arrangement	60 / 6 x10
Cells dimension	6"
Packing unit	30 modules
Weight of packing unit (for container)	557 kg / 1228 lbs

MECHANICAL SPECIFICATIONS

Outer dimensions (L x W x H)	1640 x 992 x 35 mm 64.57 x 39.06 x 1.38 in
Frame technology	Black Aluminum, silver anodized
Module composition	Glass / EVA / Backsheet (black)
Weight (module only)	18 kg / 39.68 lbs
Front glass thickness	3.2 mm / 0.13 in
Junction box IP rating	IP 65/67
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.

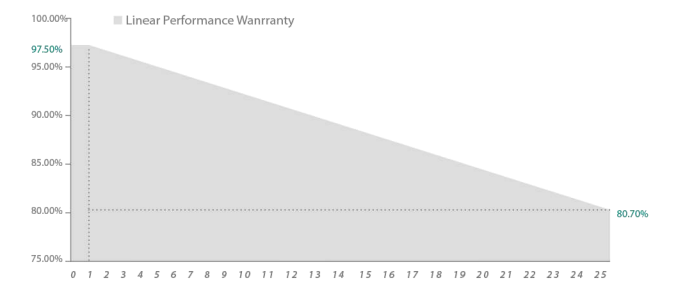


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QUALIFICATION AND LINEAR WARRANTIES

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 MS265P-60 at various solar irradiance

