

MS-P172H

300-340W

Polycrystalline 5BB Module



1.6°C

Its temperature is 1.6 °C lower than that of the conventional module

4%

4% more energy generation



Excellent temperature performance

The temperature of HC module is 1.6 °C lower than that of the conventional module under the same working condition, which results less power loss.



Reduced encapsulation loss due to reduced current

HC module is of lower current and lower CTM loss at around 0.2%, while the CTM loss of conventional module is 1%.



1500V high system voltage design

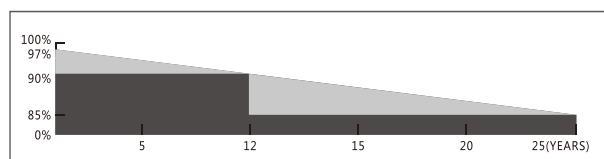
LINEAR PERFORMANCE WARRANTY

12
years

Product warranty on materials and workmanship

25
years

Linear power output warranty



CERTIFICATES

ISO 9001: 2015
Quality Management System

IEC 61215 / IEC 61730

ISO 14001: 2015
Environmental Management System

OHSAS 18001: 2007
Occupational Health & Safety Management System

*Certification requirements vary in different markets, please consult with Maysun Solar Co.,Ltd. sales team for appropriate certification.



All black /
Black frame



Maysun Solar Co., Ltd.

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Polycrystalline 5BB Moudle

MS-P172H 300W-340W

Polycrystalline 5BB Module

ELECTRICAL PARAMETERS @ STC

Max. Power Output Pmax (W)	300	310	320	330	340
Power Tolerance	±3%	±3%	±3%	±3%	±3%
Max. Power Voltage Vmp (V)	36.80	36.91	37.02	37.15	37.28
Max. Power Current Imp (A)	8.15	8.40	8.65	8.89	9.12
Open Circuit Voltage Voc (V)	45.02	45.15	45.45	45.86	46.17
Short Circuit Current Isc (A)	8.65	8.92	9.25	9.52	9.72
Module Efficiency (%)	15.5	16.0	16.5	17.0	17.5

*STC (Standard Test Condition): Irradiance 1000W/m², Cell Temperature 25°C, Air Mass 1.5

*Measurement Tolerance (±3.0%)

ELECTRICAL PARAMETERS @ NOCT

Max. Power Output Pmax (W)	209.5	216.5	223.5	230.4	237.3
Max. Power Voltage Vmp (V)	33.62	33.71	33.80	33.92	34.04
Max. Power Current Imp (A)	6.23	6.42	6.61	6.79	6.97
Open Circuit Voltage Voc (V)	41.32	41.43	41.70	42.08	42.23
Short Circuit Current Isc (A)	6.69	6.90	7.15	7.37	7.57

*NOCT(Nominal Operating Cell Temperature): Irradiance 800W/m², Ambient Temperature 20 °C, Wind Speed 1m/s

TEMPERATURE COEFFICIENTS

Temperature Coefficients of Pmp	-0.40%/ °C
Temperature Coefficients of Voc	-0.30%/ °C
Temperature Coefficients of Isc	+0.06%/°C

MECHANICAL PARAMETERS

Cell Type	Poly 156.75x156.75mm
Number of Cells	72pcs(6x12)
Dimensions (L*W*H)	1956x992x30mm
Weight	22.1kg
Frame	Anodised Aluminum
Junction Box	IP68, 3 bypass diodes
Cable, Length	4.0mm ² customized

OPERATING CONDITION

Maximum System Voltage(V)	1500(DC)
Operating Temperature(°C)	-40~+85
Max. Wind Load / Snow Load(pa)	2400/5400
Max. Series Fuse Rating(A)	20
Fire Rating	Class C
NOCT(°C)	45±2

PACKAGE INFORMATION

Container 40'HQ	864pcs
Quantity / Pallet	36pcs
Package size :1980x1120x1120mm	Net weight : 795.6kg Gross weight : 845.6kg

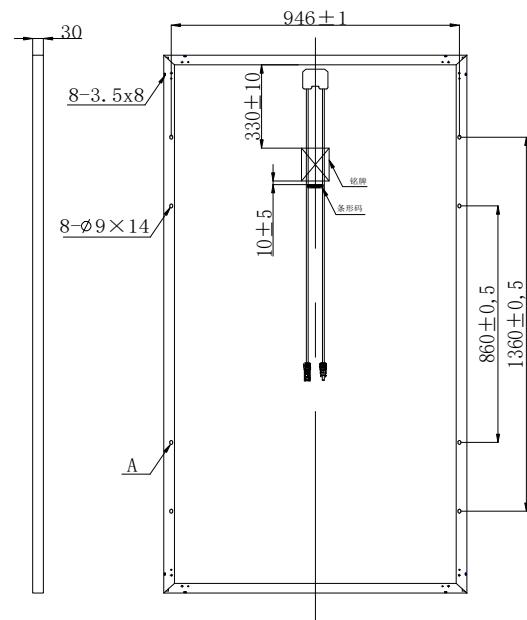
*Specifications are subject to change without prior notice.



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ASSEMBLY DRAWING (Unit:mm)



I-V CURVES

