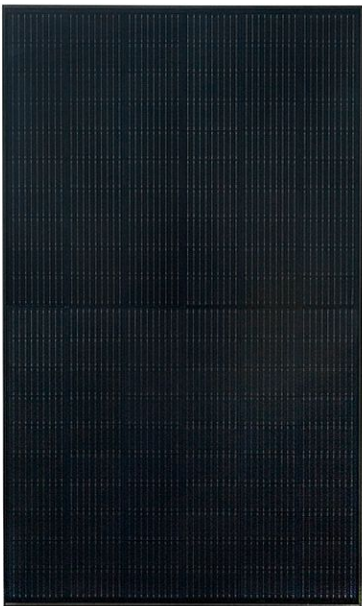


Maysun Solar

158.75mm 120Cells
Half-Cell High Efficiency Full black PV Module
MS(325-345)MB- 60H Series



120 LAYOUT

MONOCRYSTALLINE MODULE

325- 345W

POWER OUTPUT RANGE

20.45%

MAXIMUM EFFICIENCY

0~+5W

POSITIVE POWER TOLERANCE

Maysun Solar brand was established in 2008, our marketing center is located in the beautiful Chinese city of Hangzhou. We are a professional solar panels manufacturer and wholesaler. Our business covers the production and manufacture of various types of mono solar panels and poly solar panels. We have two solar plates production bases in China and UAE, with an annual production capacity of 1G watts. Our solar panel products have been exported to more than 80 countries and regions around the world. We have overseas sales offices and warehouses in Germany, Italy, Poland, Hungary, Saudi Arabia, Indonesia, UAE, etc. We have strictly quality management system of solar PV module, we are capable of absorbing and applying advanced technologies and new processes in the photovoltaic module industry in the fastest time, bringing high-performance special solar PV modules to the market, and serve our customers.

**Comprehensive Products
and System Certificates**

IEC61215/IEC61730/IEC61701/IEC62716
ISO 9001: Quality Management System

Management System



PRODUCTS

MS(325-345)MB- 60H

POWER RANGE

325-345W



High power

- Up to 345W front power and 20.45% module efficiency with half-cut and MBB (Multi Busbar) technology bringing more BOS savings
- Lower resistance of half-cut and good reflection effect of MBB ensure high power



High reliability

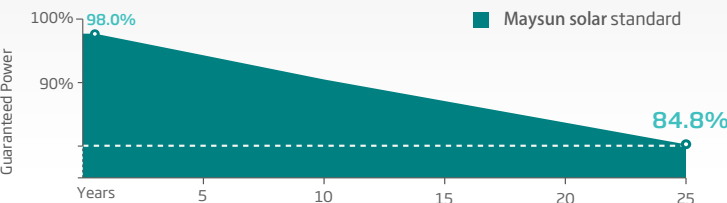
- Ensured PID resistance through cell process and module material control
- Resistant to salt, acid and ammonia
- Mechanical performance: Up to 5400 Pa positive load and 2400 Pa negative load

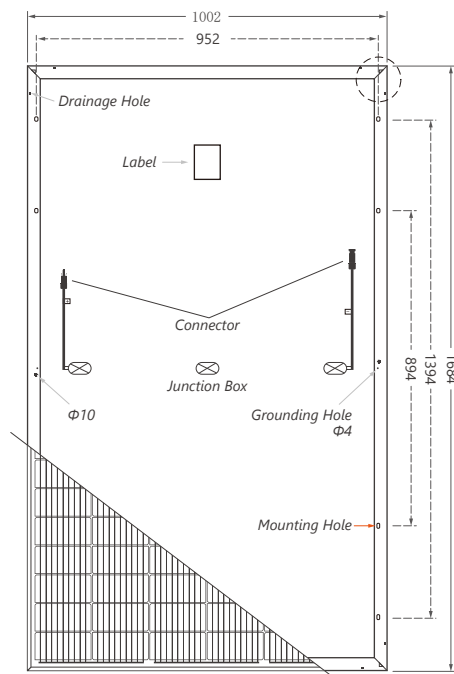


High energy generation

- Excellent IAM and low light performance validated by 3rd party with cell process and module material optimization
- Better anti-shading performance and lower operating temperature

PERFORMANCE WARRANTY





Electrical Characteristics(STC)

Peak Power Watts- P_{MAX} (Wp)*	325	330	335	340	345
Power Tolerance- P_{MAX} (W)	0 ~ +5				
Maximum Power Voltage- V_{MPP} (V)	33.5	33.7	33.9	34.1	34.3
Maximum Power Current- I_{MPP} (A)	9.71	9.80	9.89	9.98	10.06
Open Circuit Voltage- V_{OC} (V)	40.4	40.6	40.8	41.0	41.2
Short Circuit Current- I_{SC} (A)	10.27	10.33	10.39	10.46	10.53
Module Efficiency η_m (%)	19.26	19.56	19.85	20.15	20.45

STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5.

*Measuring tolerance: ±3%.

Electrical Characteristics(NOCT)

Maximum Power- P_{MAX} (Wp)	245	249	253	257	261
Maximum Power Voltage- V_{MPP} (V)	32.1	32.4	32.7	33.0	33.3
Maximum Power Current- I_{MPP} (A)	7.63	7.69	7.74	7.79	7.84
Open Circuit Voltage- V_{OC} (V)	39.4	39.7	40.1	40.4	40.7
Short Circuit Current- I_{SC} (A)	8.11	8.18	8.22	8.28	8.32

NOCT: Irradiance at 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s.

Mechanical Specification

Solar Cells	Mono 158.75×79.375mm
Cell Orientation	120 cells (6×20)
Module Dimensions	1684×1002 × 30 mm (66.29×39.44 × 1.18 inches)
Weight	19.0 kg
Glass	3.2 mm High Transmission, Antireflection Coating
Encapsulant Material	EVA/POE
Backsheet	Black
Frame	30 mm (1.18 inches) Black Anodized Aluminium Alloy
J-Box	IP68, 3 Bypass Diodes
Cables	Photovoltaic Technology Cable 4.0mm ² (0.006 inches ²), Portrait: N 300mm/P 300mm(11.02/11.02inches)
Connector	MC4

*Please refer to regional datasheet for specific connector.

TEMPERATURE RATINGS

NOCT(Nominal Operating Cell Temperature)	45°C (±2°C)
Temperature Coe ^o cient of P_{MAX}	- 0.37%/°C
Temperature Coe ^o cient of V_{OC}	- 0.29%/°C
Temperature Coe ^o cient of I_{SC}	0.05%/°C

(Do not connect Fuse in Combiner Box with two or more strings in parallel connection)

WARRANTY

12 year Product Workmanship Warranty
25 year Power Warranty
2% first year degradation
0.55% Annual Power Attenuation

(Please refer to product warranty for details)

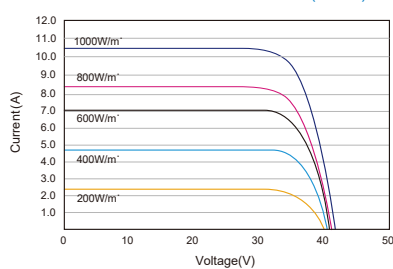
MAXIMUM RATINGS

Operational Temperature	-40~+85 °C
Maximum System Voltage	1000V/1500V DC
Max Series Fuse Rating	20A

PACKAGING CONFIGURATION

Modules per box: 37 pieces
Modules per 40' container: 1148 pieces

I-V CURVES OF PV MODULE(340W)



P-V CURVES OF PV MODULE(340W)

