

MS158.75mm 120 Cells 325 ~ 345 W

Half-Cell High Efficiency Full black PV Module



Comprehensive Products and System Certificates

IEC 61215 / IEC 61730 / CE

ISO 9001: 2015 / Quality management system



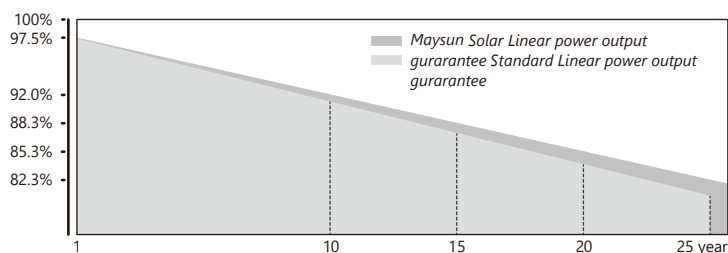
Quality Guarantee

12-year

Material & technology warranty

25-year

Linear power output warranty



**Max Module
Efficiency**

20.45%



Half-cell & High eff.

9BB Half-cell technology,
Higher output power



Less Shading Effect

Unique circuit design,
Minimize shading effect



Lower Temperature

Lower temperature coe-
fficient, Lower hot spot
temperature



Weather Resistance

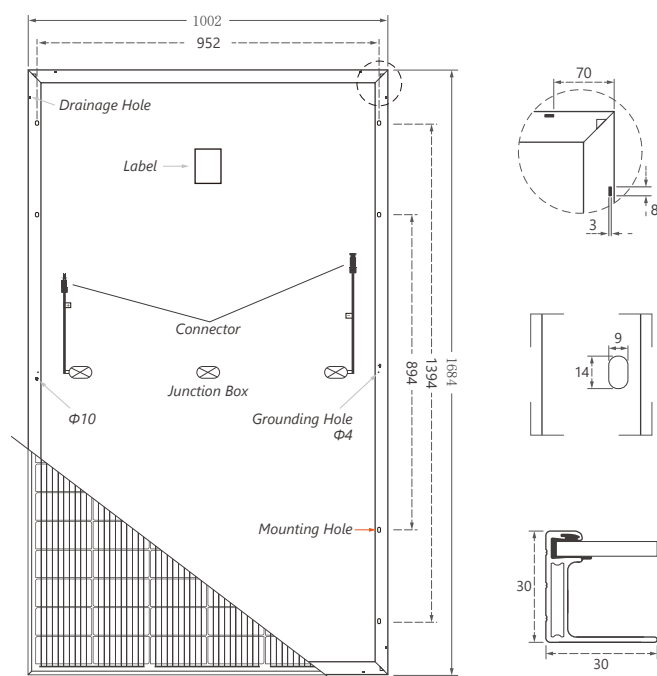
Pass Anti PID test. 100%
double EL test, Minimizes
micro-cracks



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

www.maysunsolar.com

Design



Mechanical Specification

Cells Type	Mono 158.75×79.375mm
Weight	19kg
Dimension (L×W×T)	1684×1002×30mm
Cable	4.0mm ² , Portrait: 300mm(+)/400mm(-) Landscape: 1000mm(+)/1000mm(-)
(Including connector)	
No. of Cells	120 (6×20)
Packing	37pcs/pallet, 1148pcs/40HQ
Glass	3.2 mm High Transmission, Antireflection Coating
Junction box	IP68, 3 Bypass Diodes
Connector	MC4 Compatible

Operating Parameters

Maximum system voltage	1000V/1500V DC
Operating Temperature	-40 ~ +85°C
Maximum series fuse rating	20A
Snow load, frontside	5400Pa
Wind load, backside	2400Pa
Nominal operating cell temperature	45°C±2°C
Application level	Class A

Electrical Characteristics(STC)

Module Type	MS325MB-60H	MS330MB-60H	MS335MB-60H	MS340MB-60H	MS345MB-60H
Maximum Power (P _{max})	325W	330W	335W	340W	345W
Open-circuit Voltage (V _{oc})	40.4V	40.6V	40.8V	41.0V	41.2V
Maximum Power Voltage (V _{mp})	33.5V	33.7V	33.9V	34.1V	34.3V
Short-circuit Current (I _{sc})	10.27A	10.33A	10.39A	10.46A	10.53A
Maximum Power Current (I _{mp})	9.71A	9.80A	9.89A	9.98A	10.06A
Module Efficiency (%)	19.26%	19.56%	19.85%	20.15%	20.45%

Power Tolerance	0~+5W
Temperature Coefficient of I _{sc}	0.05%/°C
Temperature Coefficient of V _{oc}	-0.29%/°C
Temperature Coefficient of P _{max}	-0.37%/°C

Standard Test Environment Irradiance 1000W/m², Cell temperature 25°C, Spectrum AM1.5

Electrical Characteristics(NOCT)

Module Type	MS325MB-60H	MS330MB-60H	MS335MB-60H	MS340MB-60H	MS345MB-60H
Maximum Power (P _{max})	245W	249W	253W	257W	261W
Open-circuit Voltage (V _{oc})	39.4V	39.7V	40.1V	40.4V	40.7V
Maximum Power Voltage (V _{mp})	32.1V	32.4V	32.7V	33.0V	33.3V
Short-circuit Current (I _{sc})	8.11A	8.18A	8.22A	8.28A	8.32A
Maximum Power Current (I _{mp})	7.63A	7.69A	7.74A	7.79A	7.84A

Standard Test Environment Irradiance 800W/m², Cell temperature 20°C, Spectrum AM1.5, Wind speed 1m/s