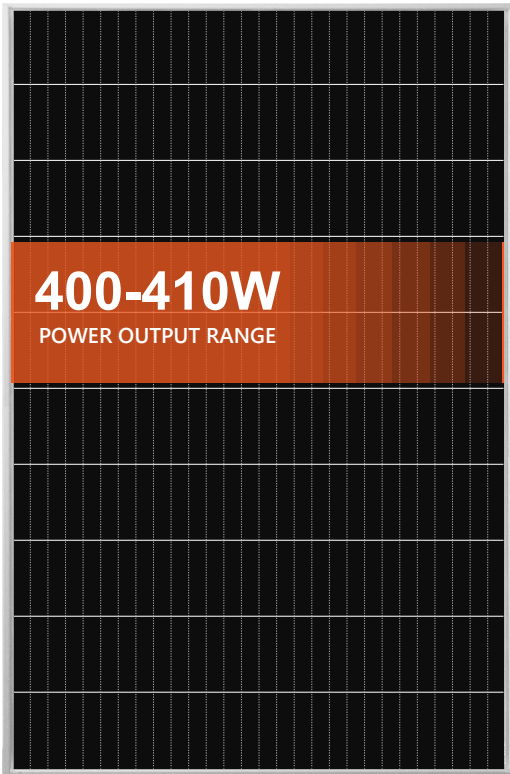


Specification of MG400-410PMB5-60SB Monocrystalline PERC solar module

MOREGOSOLAR

KEY features



Technology:

Technology provides ultra -high efficiency, Maximizes installation capacity in limited space.



Beautiful appearance:

Cells are evenly arranged, pleasing to the eye.



Enhanced weather resistance:

Avoid the microcrack of cells caused by traditional welding process; Modules are flexible and compressive resistance; Suitable for all harsh environments.



Reduce system cost:

High module efficiency reduces floor space effectively, BOS, transportation and maintenance costs



Strong compatibility:

Can be equipped with a variety of mainstream high efficient (PERC, SHJ) cells.



Anti-PID and low LID

To ensure higher actual yield during lifetime.

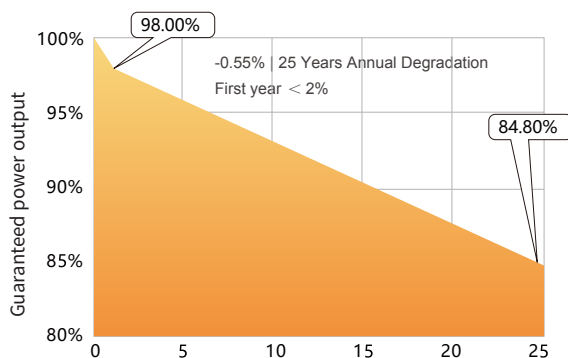
15
year

material process warranty

25
year

linear power output warranty

Warranty



About Nanjing Moge New Energy Co. Ltd.

Headquartered in Nanjing city, the ancient capital of Six Dynasties, Moregosolar is a leading supplier concentrating on the R&D, production and sale of solar panels.

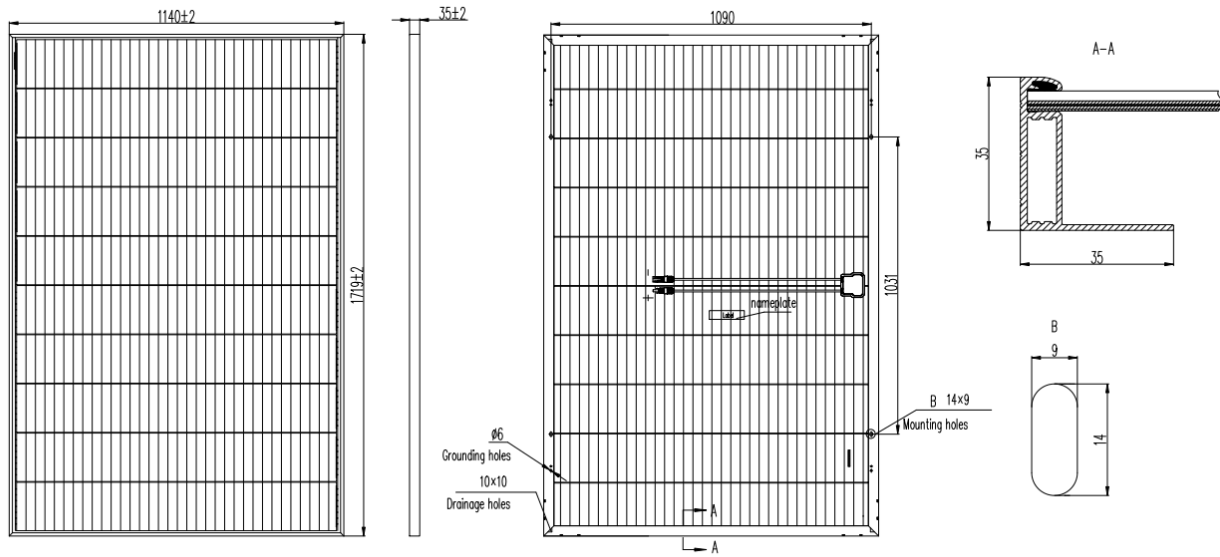
Since established, adhering to the enterprise value of "abide by the moral, take the responsibility" and operation principle of "work diligently to achieve the best", Moregosolar has earned great reputation. Casting its own brand, Moregosolar has also built long-term and intimate strategic cooperation relationship with Tier 1 PV module manufacturers, such as LONGi, Canadian Solar, JA Solar, Trina Solar, Jinko Solar, etc.

As a professional manufacturer of solar panels and complete systems, Moregosolar, who devotes itself to be the leading company in the field of solar power generation system, always carries out the idea of "Quality is the lifeline of business" and takes "to provide professional and customized service" as its mission. Up to now, it has earned many customers home and abroad: covering 34 provinces, cities, districts of China and 117 other countries worldwide.

Since 2015, Moregosolar paid more attention to product quality, strive to enhance its R&D and design capability and pragmatically to make every product to be perfect. It determines to build a high-end brand qualified with "high product quality, large market share, excellent after-sales service".



Drawing



Electrical Characteristics at Standard Test Conditions(STC)

Module Type:MG400-410PMB5-60SB	410	405	400	395	390
Maximum Power-Pm [W]	410	405	400	395	390
Open Circuit Voltage-Voc [V]	46.6	46.5	46.4	46.3	46.3
Short Circuit Current-Isc [A]	11.07	11.02	10.97	10.92	10.87
Maximum Power Voltage-Vm [V]	38.8	38.7	38.6	38.5	38.5
Maximum Power Current-Im [A]	10.57	10.47	10.36	10.26	10.13
Module Efficiency-η [%]	20.9	20.7	20.4	20.2	19.9

Electrical Characteristics at NMOT

Maximum Power-Pm [W]	309	305	301	297	294
Open Circuit Voltage-Voc [V]	44.4	44.3	44.2	44.1	44.1
Short Circuit Current-Isc [A]	8.93	8.89	8.85	8.81	8.77
Maximum Power Voltage-Vm [V]	37.0	36.9	36.8	36.7	36.7
Maximum Power Current-Im [A]	8.35	8.27	8.18	8.10	8.00

Note: 1. Standard Test Conditions [STC]: irradiance 1000 W/m²; AM 1.5; ambient temperature 25 °C according to EN 60904-3;
 2. Nominal Module Operating Temperature (NMOT): irradiance 800W/m²; wind speed 1m/s; ambient temperature 20 °C.
 3. Tolerance of Pm: 0~+5W, Measuring uncertainty of power: ±3%. Performance deviation of Voc [V], Isc [A], Vm [V] and Im [A]: ±3%.

Mechanical Characteristics

Dimensions	1719×1140×35 mm (L×W×H)
Weight	22kg
Front Glass	AR coating tempered glass, 3.2mm
Cells	166*166mm PERC solar cells
Back Sheet	high weatherability backsheet
Frame	Anodized aluminum profile
Junction Box	IP68, TUV, two diodes
Cable	1000mm, 4mm ²
Connector	Compatible with MC4/original
Packaging	31pcs/pallet; 806pcs/ 40' container

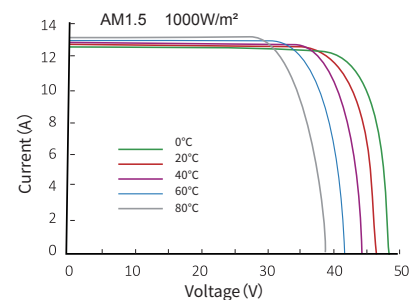
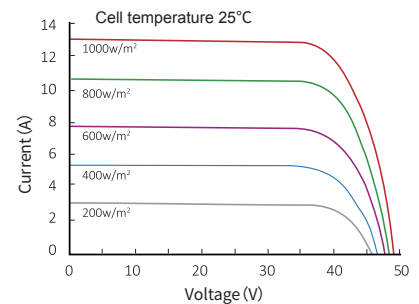
Temperature Characteristics

NMOT	42.3 °C (±2 °C)
Temperature Coefficient of Voc	-0.27%/°C
Temperature Coefficient of Isc	0.04%/°C
Temperature Coefficient of Pm	-0.34%/°C

Maximum Ratings

Maximum System Voltage [V]	DC 1500(IEC)
Series Fuse Rating [A]	20
Maximum Surface Load Capacity [Pa]	5,400
Temperature Range [°C]	- 40~+ 85
Withstanding Hail	Maximum diameter of 25 mm with impact speed of 23 m·s ⁻¹

I-V curve



Declaration:

With the technical progress and product updates, there exists a deviation between the technical parameter of Moregosolar's future products and the technical parameter in this specification, Moregosolar reserves the right to adjust the technical parameter at any time without notifying the customers. Moregosolar reserves the final right of interpretation.