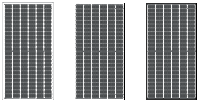
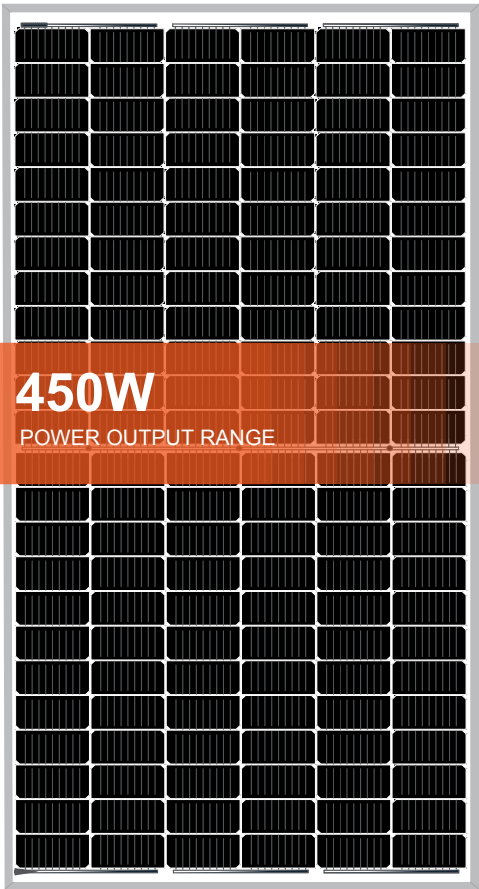


Specification of  
**MG-02-M72S-450W**  
 Monocrystalline PERC solar module



\* Both 6BB&9BB are available  
 \* Both White frame on White back & Black frame on White back & Black frame on Black back

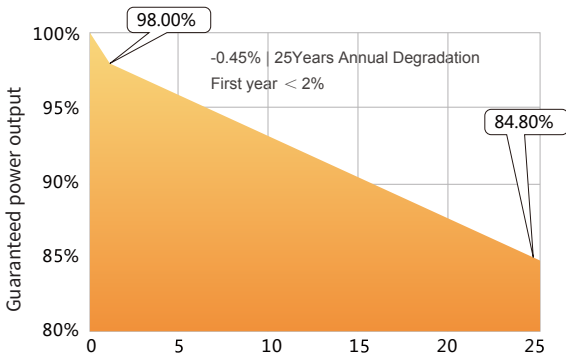
12  
year

material process warranty

25  
year

linear power output warranty

**Warranty**



**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-LID / PID:**  
 To ensure higher actual yield during lifetime.

**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.

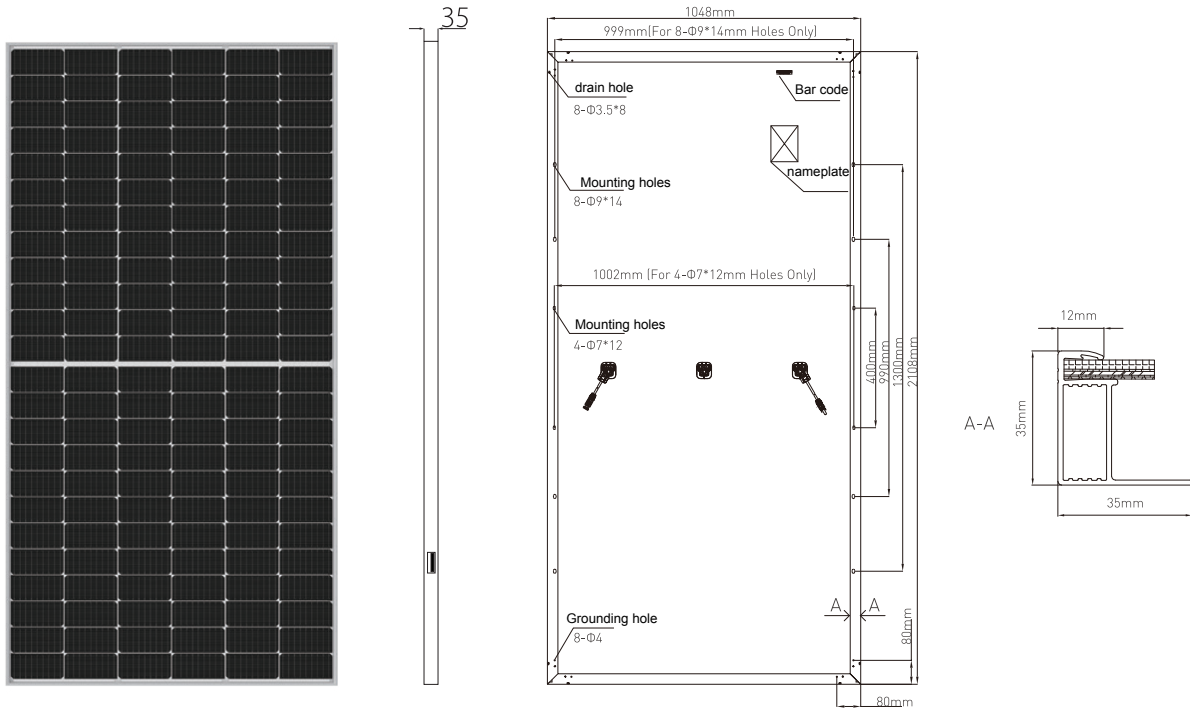
Since established, adhering to the enterprise value of “abide by the moral, take the responsibility” and operation principle of “work diligently to achieve the best”, Moregosolar has earned great reputation. Casting its own brand, Moregosolar has also built long-term and intimate strategic cooperation 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:MG-02-M72S-450W	455	450	445	440
Maximum Power-Pm [W]	455	455	445	440
Open Circuit Voltage-Voc [V]	50.10	49.84	49.55	49.25
Short Circuit Current-Isc [A]	11.37	11.34	11.31	11.28
Maximum Power Voltage-Vm [V]	42.41	42.10	41.75	41.40
Maximum Power Current-Im [A]	10.73	10.69	10.66	10.63
Module Efficiency-η [%]	20.6	20.4	20.1	19.9

### Electrical Characteristics at NOCT

Maximum Power-Pm [W]	332.36	328.57	324.79	321.03
Open Circuit Voltage-Voc [V]	46.34	46.08	45.82	45.56
Short Circuit Current-Isc [A]	9.19	91.17	9.14	9.12
Maximum Power Voltage-Vm [V]	38.71	38.42	38.13	37.84
Maximum Power Current-Im [A]	8.59	8.55	8.52	8.48

Note: 1. Standard Test Conditions [STC]: irradiance 1000 W/m<sup>2</sup>; AM 1.5; ambient temperature 25 °C according to EN 60904-3;  
 2. Nominal Operating Cells Temperature(NOCT): Irradiance 800W/m<sup>2</sup>; wind speed 1m/s; ambient temperature 20 °C.  
 3. Test uncertainty for Pmax: ±3%

### Mechanical Characteristics

Dimensions	2108×1048×35 mm (L×W×H)
Weight	25.1kg
Glass	Single glass, 3.2mm coated tempered glass
Cell Orientation	144 (6×24)
Frame	Anodized aluminum alloy frame
Junction Box	IP68, three diodes
Cable	4mm <sup>2</sup> , 300mm in length, length can be customized
Packaging	30pcs per pallet
Series Fuse Rating	20A
Temperature Range	- 40 °C ~+ 85 °C

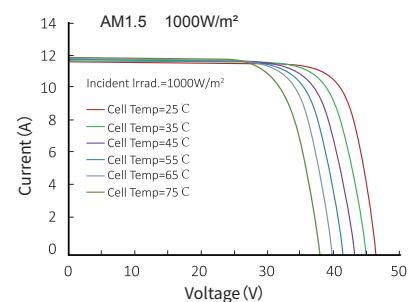
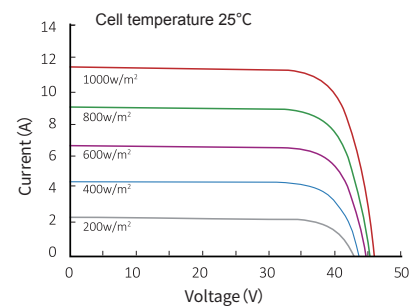
### Temperature Ratings (STC)

Temperature Coefficient of Isc	+0.06%/°C
Temperature Coefficient of Voc	-0.30%/°C
Temperature Coefficient of Pmax	-0.39%/°C

### Mechanical Loading

Front Side Maximum Static Loading	5,400Pa
Rear Side Maximum Static Loading	2,400Pa
Hailstone Test	25mm Hailstone at the speed of 23m/s

### 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.