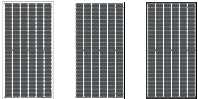
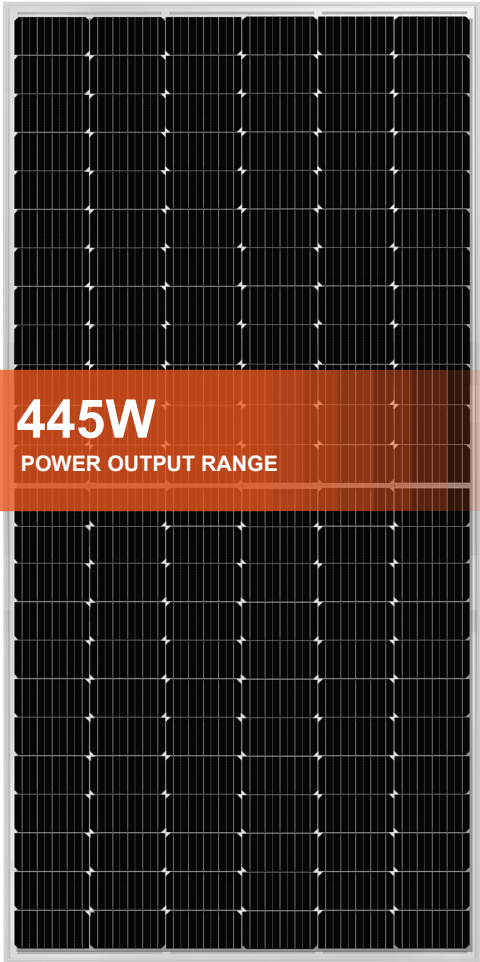


Specification of
MG02-M72D-445W
Monocrystalline PERC solar module



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

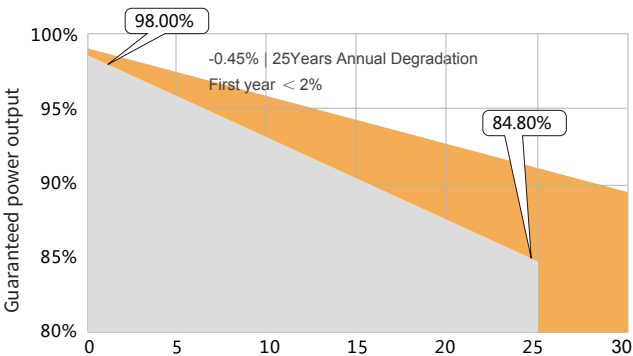
12
year

material process warranty

30
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.

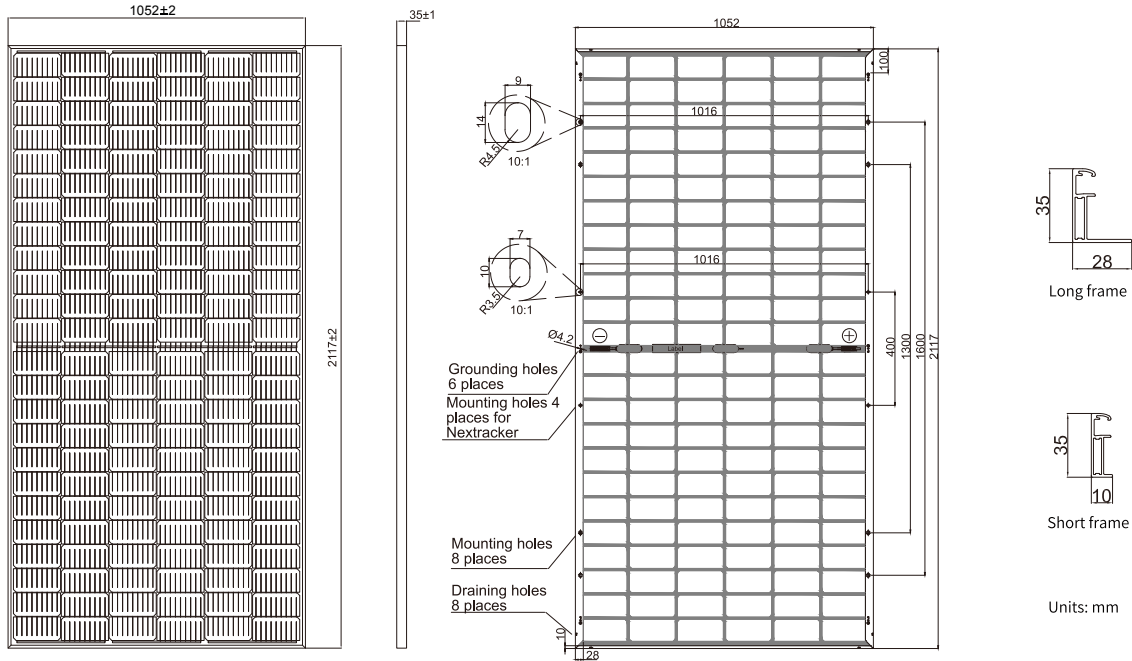
Since established, adhering to the enterprise value of “abide by the moral, take the responsibility” and operation principle of “work diligently to achieve the best”, Moregosolar has earned great reputation. Casting its own brand, Moregosolar has also built long-term and intimate strategic cooperation 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:MG02-M72D-445W	440	445	450	455
Maximum Power-Pmax [W]	440	445	450	455
Open Circuit Voltage-Voc [V]	49.30	49.45	49.61	49.75
Short Circuit Current-Isc [A]	11.33	11.38	11.42	11.46
Maximum Power Voltage-Vm [V]	40.60	40.91	41.21	41.52
Maximum Power Current-Im [A]	10.84	10.88	10.92	10.96
Module Efficiency-η [%]	19.8	20.0	20.2	20.4

STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5. *Measuring tolerance: ±3%.

Electrical Characteristics With Different Rear Side Power Gain (Reference To 445W Front)

Backside Power Gain	5%	10%	15%	20%	25%
Maximum Power-Pmax [W]	467	490	512	534	556
Open Circuit Voltage-Voc [V]	48.80	48.80	48.80	48.90	48.90
Short Circuit Current-Isc [A]	11.98	12.55	13.12	13.69	14.26
Maximum Power Voltage-Vm [V]	41.30	41.30	41.30	41.40	41.40
Maximum Power Current-Im [A]	11.31	11.85	12.39	12.90	13.44

*For Nexttracker installations static loading performance: front load measures 2400pa, while back load measures 2400pa.

Mechanical Characteristics

Dimensions	2117×1052×35mm (±2mm)
Weight	27.3kg±3%
Cell Orientation	144(6×24)
Frame	Anodized Aluminium Alloy
Junction Box	IP68, three diodes
Cable Cross Section Size	4mm ² , 12AWG(UL)
Cable Length (Including Connector)	Portrait: 300mm (+) 400mm(-) Landscape: 1200mm(+)/1200mm(-)
Packaging	30 Per Pallet
Series Fuse Rating	25A
Temperature Range	- 40 C ~+ 85 C

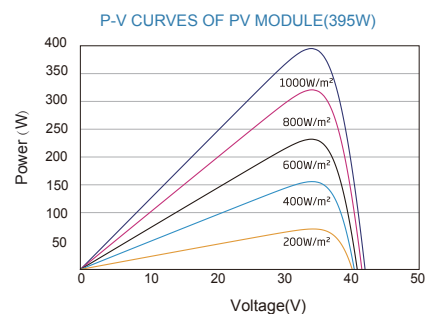
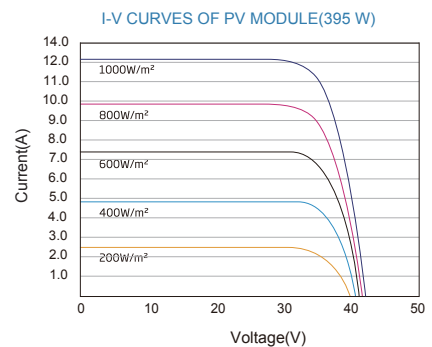
Temperature Ratings (STC)

Temperature Coefficient of Isc	+0.044%/C
Temperature Coefficient of Voc	-0.272%/C
Temperature Coefficient of Pmax	-0.354%/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.