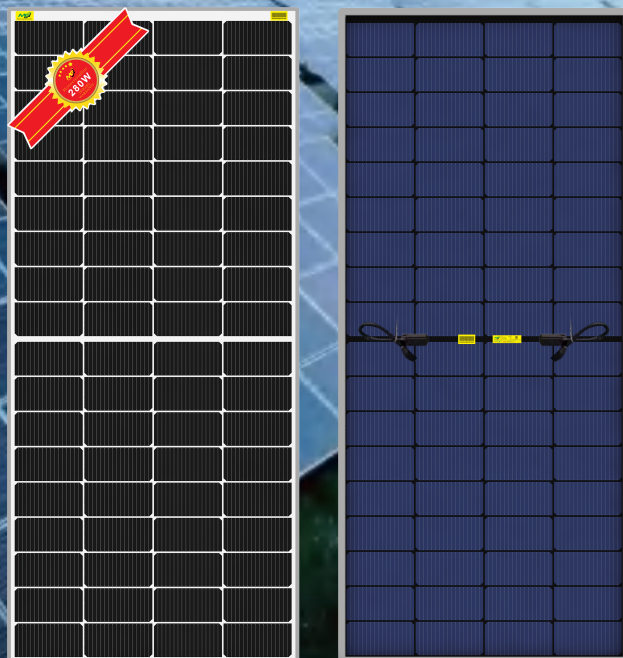




MG Solar 280W

Introduction

MG Solar 280W Panel module assembled with PERC cells, the configuration of the modules offers the advantages of higher power output, cells temperature-dependent performance reduced shadows effect on the energy generation lower risk of hot spot, as well as enhanced tolerance for mechanical loading.



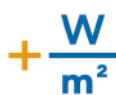
Higher Durability

The multi-busbar design can decrease the risk of the cell micro-cracks and fingers broken.



PID Resistant

Tested in accordance to the standard IEC 62804, our PV modules have demonstrated resistance against PID (Potential Induced Degradation), which translates to security for your investment.



High Power Density

High conversion efficiency and more power output per square meter, by lower series resistance and improved light harvesting.

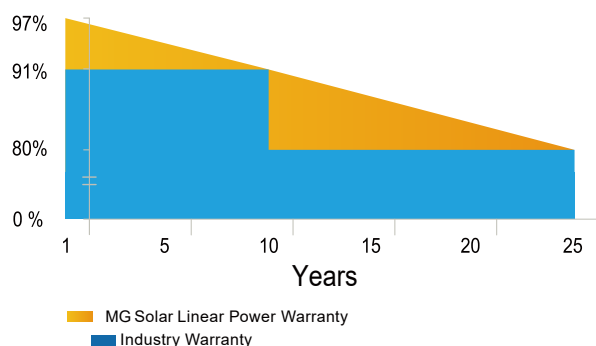


Bigger Cells with better performance

A slight increase of the size of our cells, Boosts the performance of the newest modules by six percent on average.

First-class Quality Assurance

- 5-year warranty for material and technology
- 25-year linear power output warranty

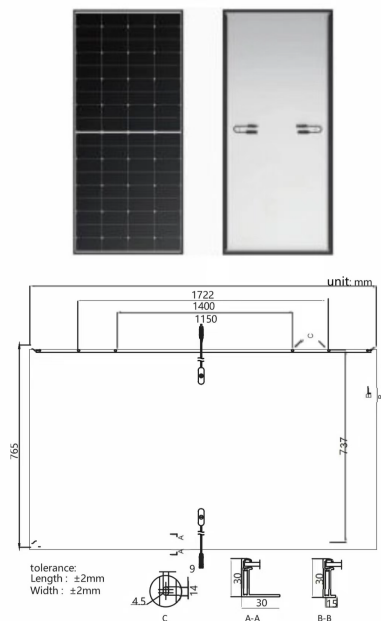


Comprehensive Certificates

- IEC61215, IEC61730
- ISO9001:2015 Quality management systems
- ISO14001:2015 Environmental management systems
- ISO45001:2018 Occupational health and safety management systems



MECHANICAL DIAGRAMS



SPECIFICATIONS

Weight	13kg
Dimensions	1722mm*765mm*30mm
Cell Dimensions	182*91mm
Cell Amount	4*18pcs
Maximum System Voltage	1500V
Junction Box	IP67
Frame	Aluminum Alloy
Cable	2.5mm ² /700mm
Connector	MC4 Compatible
Application Level	Class A

ELECTRICAL PARAMETERS AT STC

Module Type	MG280P-72M
Maximum Power (Pmax/W)	280
Open Circuit Voltage(Voc/V)	22.22
Short Circuit Current(Isc/A)	13.97
Maximun Power Voltage(Vmp/V)	26.70
Maximum Power Current(Imp/A)	11.82
Module Efficiency(%)	20.90

* Under Standard Test Conditions (STC) of irradiance of 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C.

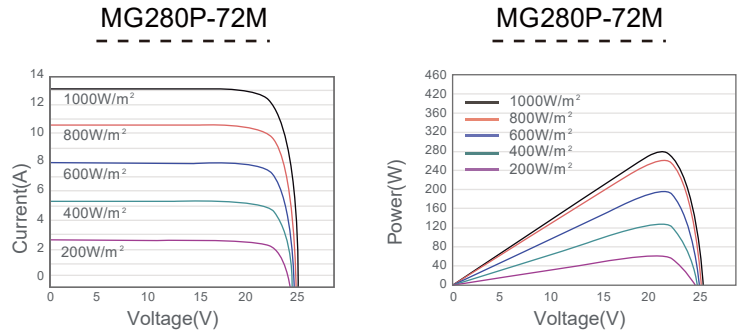
TEMPERATURE CHARACTERISTICS

NOCT	45±2°C	Temp Coefficient of Isc	+0.046%/°C
Temp Coefficient of Voc	-0.275%/°C	Temp Coefficient of Pmax	-0.350%/°C

PACKING CONFIGURATION

Modules/Pallet	2 or 31 Pieces	Modules/40HQ'Container	700 or 868 Pieces
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CHARACTERISTICS



MAXIMUM RATING

Output Tolerance	± 3 %
Operating Temperature	-40°C~+85°C
Wind Load/Snow Load	2400pa/5400pa