

Photovoltaic Module Monocrystalline144

KEY FEATURES



High module efficiency through superior manufacturing technology



No power loss thanks to improved temperature co-efficient caused by 5 busbar solar cell



Strictly control the micro-crack of solar cells and the other non visible defect of internal modules



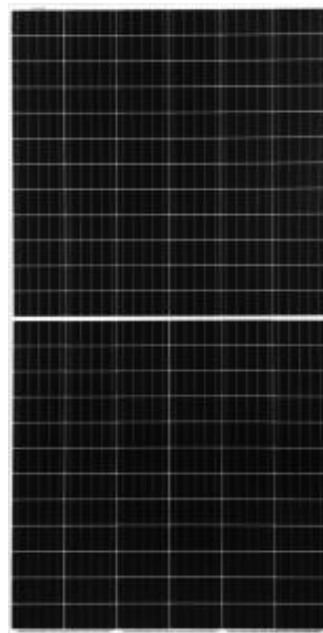
Module can bear snow loads up to 5400Pa and wind loads up to 2400Pa



Manufactured according to and certified international I Quality and Environment Management System



Using advanced low reflection and high light transmission glass and cell sheet surface cutting technology, in the weak light environment can also play a good performance.



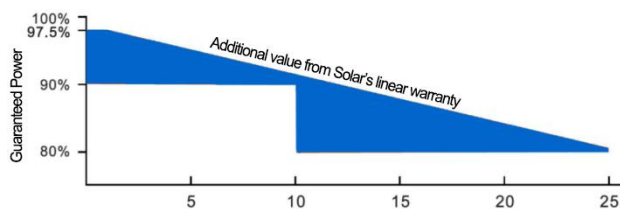
Certificates

- IEC61215, IEC61730, CQC, CE, TUV
- ISO9001:2008
- ISO14001:2004
- BSOHSAS18001:2007



Warranties

- 10 years product warranty
- 25 years power warranty



Electrical Characteristics

MGS Solar

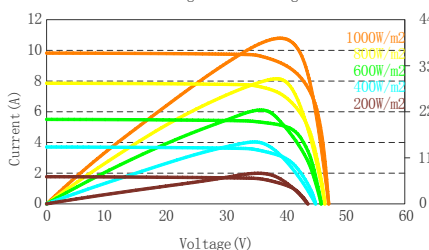
Model	MGS-450S6-36
Maximum Power at STC(Pmax)	450W
Optimum Operating Voltage (Vmp)	41.4V
Optimum Operating Current (Imp)	10.97A
Open-Circuit Voltage (Voc)	50.00V
Short-Circuit Current (Isc)	11.47A
Solar Cell Efficiency (%)	22.68
Solar Module Efficiency (%)	19.32
Operating Temperature	-40to85°C
Maximum System Voltage	DC1000
Maximum Series Fuse Rating	15A
Power Tolerance	0~+3%
STC:Irradiance 1000W/m ² ,Modules Temperature 25°C,AM=1.5	

Temperature Coefficient and Mechanical Characteristics

Engineering Drawings

Nominal Operating Cell Temperature (NOCT)	45°C+/-2°C
Temperature Coefficient of Pmax	-0.39%/°C
Temperature Coefficient of VOC	-0.29%/°C
Temperature Coefficient of ISC	+0.05%/°C
Solar cell	Mono166*83mm
No.of cells	144 (6×12+6×12)
Dimensions	2094*mm*1038mm*35mm
Weight	24kg
Front glass	3.2mm tempered glass
Frame	Anodized aluminium alloy
Junction box	PV_*****
Connector	Plug and socket
Output cables	PV 4.0mm ² ,0.9m
1*40'HQ	726pcs

Current-Voltage&Power-Voltage Curver



Voltage current curve at different temperatures(360W)

