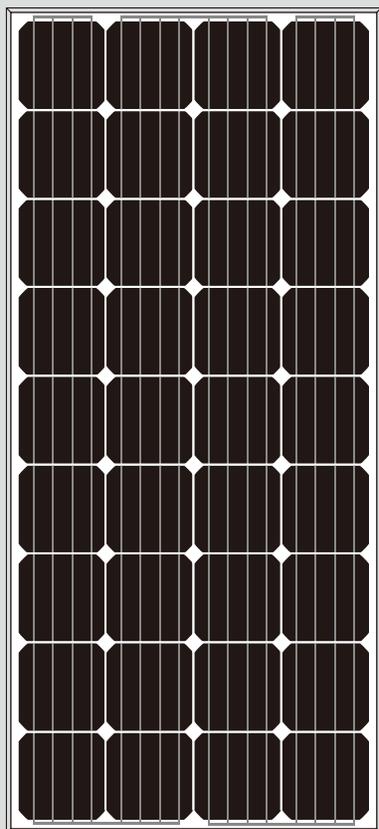


MONOCRYSTALLINE
SILICON MODULE



0260



10 years
products
warranty

25 year
power output
warranty

Add: CuiBei Industrial Park, Henglin Town, Wujin District, Changzhou City, Jiangsu Province, China.

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Email: info@gsunp.com

Web Site: www.gsunp.com

GSUN power
WWW.GSUNP.COM

6M-160 6M-165

6M-170 6M-175 6M-180
MONOCRYSTALLINE SILICON MODULE

Products Characteristics



Widely using of the most popular and mature type of modules for off-grid system.



Leading manufacturing technology in PV industry, strictly controlling the quality of raw materials and the process of producing



100% EL inspection, ensures modules are defects free.



Cells binned by current to improve module performance



Anti reflective glass. Not only to increase the light absorption, but also to make the module has the function of self-cleaning in water environment, effectively reducing the power loss caused by dust.



Outstanding performance in low-light irradiance environments.



Excellent mechanical load resistance: Certified to withstand high wind loads(2400pa) and snow loads(5400pa).



High salt and ammonia resistance



Positive power tolerance: 0~+5w

Warranty

- 10 years product warranty
- 10-years 90% of Min. rated output power, and 25-years 80% of Min. rated output power warranty

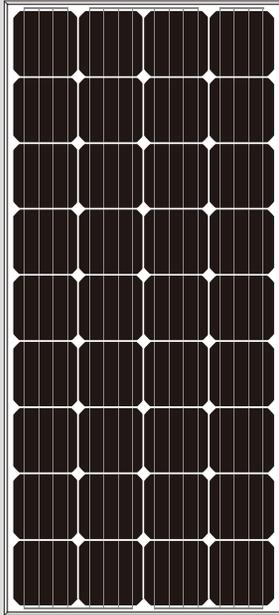
Comprehensive Certificates

- ISO Certificate
- SGS-TUV Certificate
- CQC Certificate
- IEC61215、IEC61730 Certificate
- CE Certificate

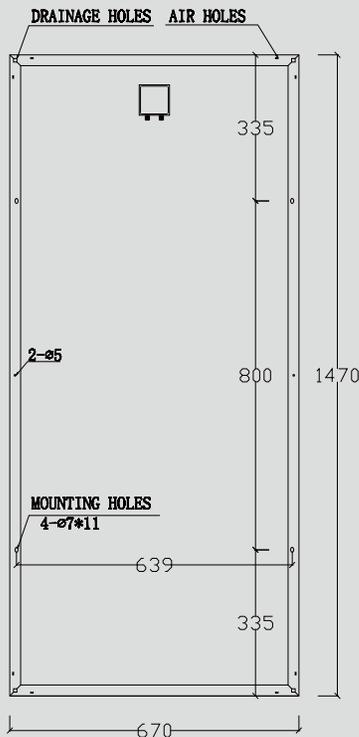
Specifications subject to technology and test conditions,
GSUN Power reserves the right of final interpretation

6M-160 6M-165 6M-170 6M-175 6M-180

Engineering Drawings (Front Side)



Engineering Drawings (Back Side)



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Raw materials and Mechanical Parameters

	6M-160	6M-165	6M-170	6M-175	6M-180
Type of Cells(mm)	mono156.75 × 156.75				
NO. of Cells and Connections	4 × 9=36				
Dimensions(mm)(L*W*H)	1470 × 670 × 30				
Weight(kg)	11.0				
Glass	3.2mm Tempered Glass				
Encapsulation	EVA				
Backsheet	Multilayer Composite				
Aluminium-Frame	Silvery/Black Anodized aluminium alloy				
Junction-Box	IP65/IP67				
Cable	NA, but customized is acceptable				
Connector	NA, but MC4 and MC4 Compatible are acceptable				
Package Configuration	4pcs/ctn				

Performance Parameters

	6M-160	6M-165	6M-170	6M-175	6M-180
Maximum System Voltage	700V				
Operating Temperature	-45~+80°C				
Maximum Series Fuse	10A				
Maximum Static Load, Front Side (e.x. Snow, Wind)	5400Pa				
Maximum Static Load, Back Side (e.x. Wind)	2400Pa				
Application Grade	Class A				

Electrical Parameters (Standard Test Condition)

	6M-160	6M-165	6M-170	6M-175	6M-180
Rated Maximum Power(Mp)	160W	165W	170W	175W	180W
Power Tolerance	0~+5W				
Cell Efficiency	18.6%	19.1%	19.6%	20.2%	20.8%
Open Circuit Voltage(Voc)	22.7V	22.9V	23.0V	23.1V	23.4V
Maximum Power Voltage(Vmp)	18.6V	18.7V	18.8V	18.9V	19.1V
Short Circuit Current(Isc)	9.12A	9.35A	9.59A	9.81A	9.99A
Maximum Power Current(Imp)	8.60A	8.82A	9.04A	9.26A	9.42A
Temperature Coefficient of Isc	+0.06%				
Temperature Coefficient of Voc	-0.32%				
Temperature Coefficient of Pmp	-0.45%				
Standard Test Condition	Irradiance:1000W/M2, Cell Temperature:25°C, Spectrum AM:1.5				

The Electrical Parameters of the module are the average theory figure under the standard test condition, each one exists difference. Can not be treated as the basis of module delivery.