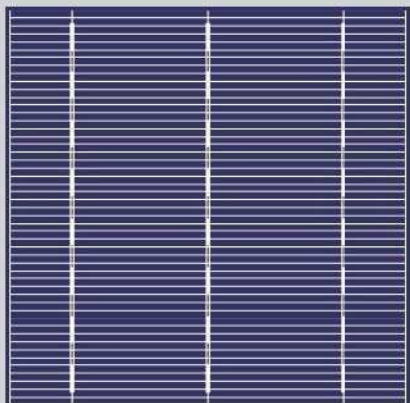
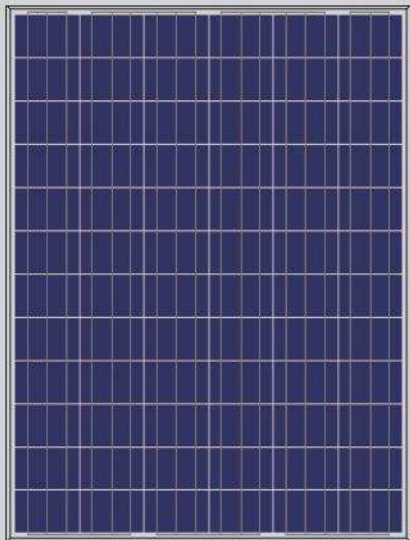


Karta katalogowa przykładowych paneli fotowoltaicznych



5 years
products
warranty

25 year
power output
warranty

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

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

Comprehensive Certificates

- ISO 9001:2008: Quality management systems
- IEC61215、IEC61730
- CQC Certificate
- CE Certificate
- SGS-TUV Certificate

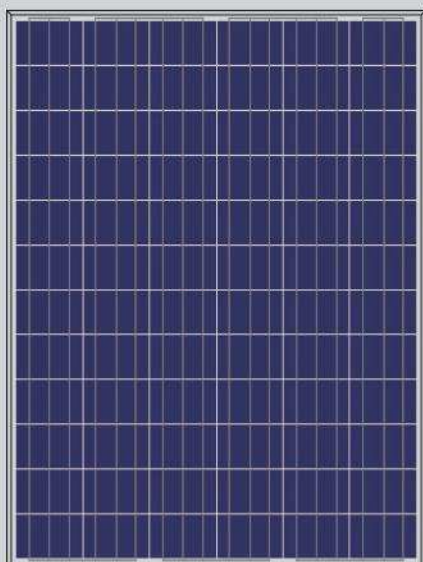


IEC 61215
IEC 61730
Periodical Inspector

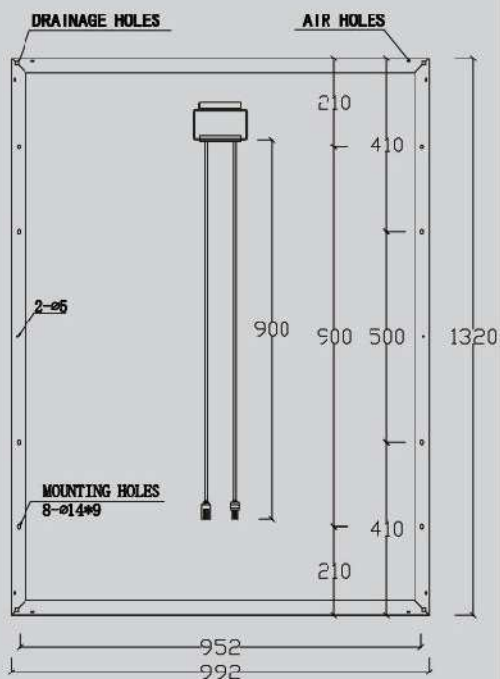


Specifications subject to technology and test conditions, GSUN Solar reserves the right of final interpretation

Engineering Drawings (Front Side)



Engineering Drawings (Back Side)



Raw materials and Mechanical Parameters

Type of Cells(mm)	Poly156 \times 104
NO. of Cells and Connections	6 \times 12=72
Dimensions(mm)(L*W*H)	1320 \times 992 \times 40
Weight(kg)	15.3
Glass	3.2mm Tempered Glass
Encapsulation	EVA
Backsheet	Multilayer Composite
Aluminium-Frame	Silvery/Black Anodized aluminium alloy
Junction-Box	IP65/IP67
Cable	4mm ² , 900mm
Connector	MC4 and MC4 Compatible
Package Configuration	25 pcs/pallet

Performance Parameters

Maximum System Voltage	1000V
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)

Rated Maximum Power(Mp)	190W	200W
Power Tolerance	0- +5W	
Cell Efficiency	16.3%	17.2%
Open Circuit Voltage(Voc)	44.6V	45.6V
Maximum Power Voltage(Vmp)	34.8V	35.2V
Short Circuit Current(Isc)	5.83A	6.02A
Maximum Power Current(Imp)	5.46A	5.69A
Temperature Coefficient of Isc	+0.06%	
Temperature Coefficient of Voc	-0.33%	
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.