

Key Features

Version:2016(A)

- ★ High cell's efficiency with high quality silicon material for long term output stability and reliability
- ★ Rigorous quality control to meet highest international standards
- ★ High transmittance, low iron tempered glass cover with enhanced stiffness and impact resistance
- ★ Outstanding electrical performance under high temperature and low irradiance ,cloudy weather conditions
- ★ Unique frame design with high mechanical strength for easy installation
- ★ Advanced encapsulation material provide efficient protection from the severest environment conditions

Applications

- ★ Solar lights, Solar charger and Other solar device

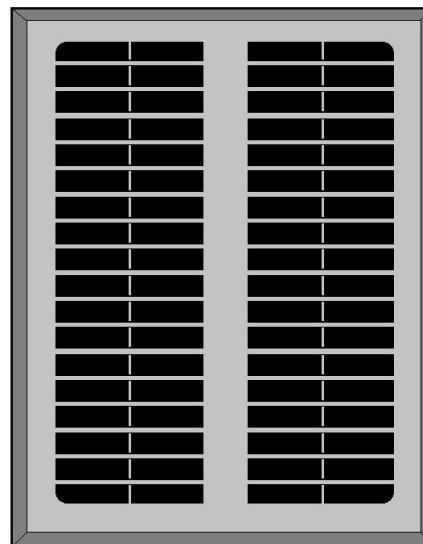
MECHANICAL PARAMETERS

Solar cell	Monocrystalline solar cell
Front Cover	3.2mm tempered glass
Back Cover	TPT (Tedlar-PRT-Tedlar)
Encapsulate	EVA(ethylene vinyl acetate)
Frame	Double-layer anodized aluminum alloy
Junction Box	PV junction box
Cables / Connectors	No
Dimensions(mm)	280x200x18
Weight(kg)	1.5

Maximum System Voltage	1000V DC
Operating Temperature	-40℃~85℃
Storage Temperature	-40℃~85℃
Maximum Wind Load	2400Pa
Maximum Snow Load	5400Pa
Application Class	Class A

ELECTRICAL PARAMETERS

Series Number	GSPV-5W(156M)36	
Cell Type	Mono	
Max power	5w	
Power Tolerance	±5%	
Nominal Voltage(V)	17.50	
Nominal Current(A)	0.29	
Open circuit voltage(V)	22.00	
Short circuit current(A)	0.31	
Size of cell/strip(mm)	78x11	
Number of cell/strip	36(2x18)	
Effi. Of cell	>16.8%	
FF(fill factor)%	74.4	
NOCT	45℃±2℃	
Temperature Co-efficient	Power	+0.049% /℃
	Voltage	-0.340% /℃
	Current	-0.430% /℃
STC :Irradiance 1000w/m ² , Module temperature 25℃,AM=1.5		

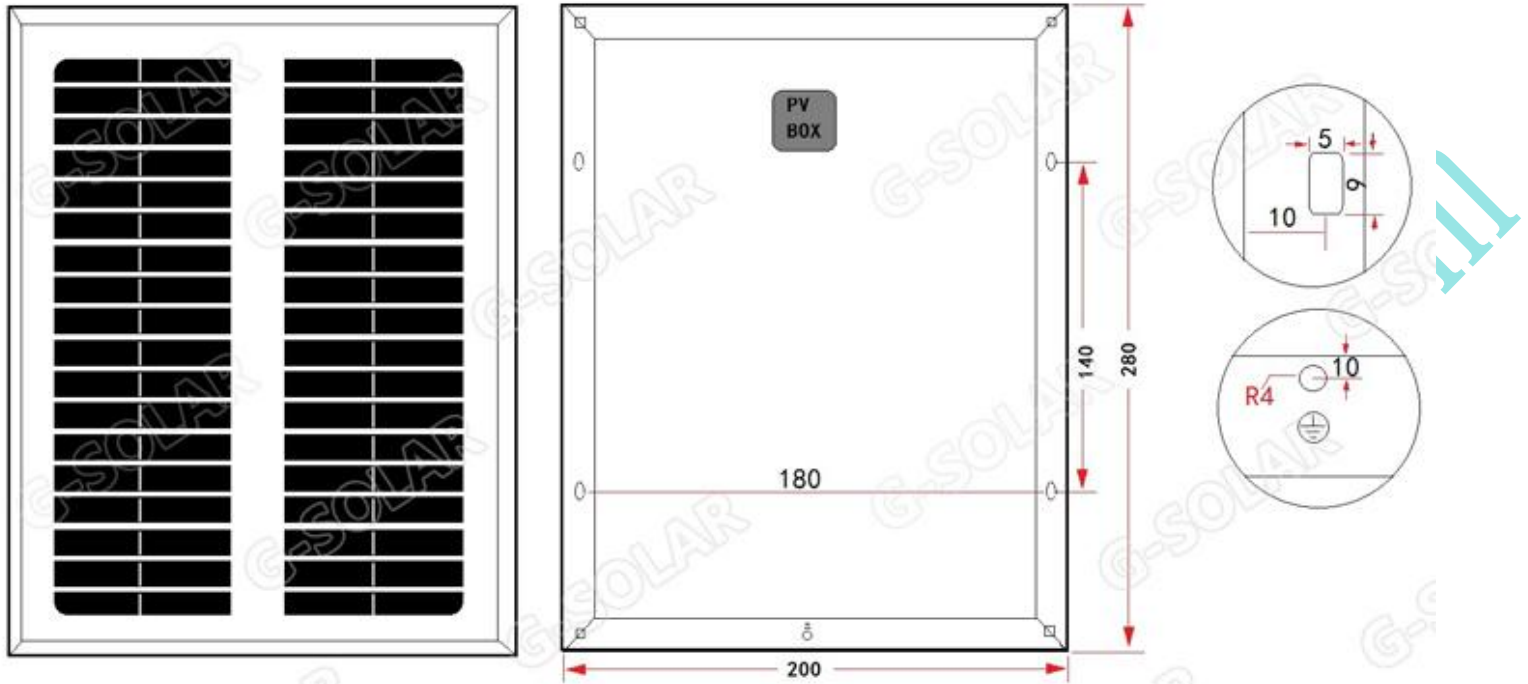


WARRANTY

5years on material on workmanship

10years with 90% output, 20years with 80% output

Structure Diagram



Assemble Process

