



**Key Features**

**Version:2018(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	IP65
Cables / Connectors	MC4 connectors ,4mm <sup>2</sup> x900mm Cable
Dimensions(mm)	1080x670x35
Weight(kg)	8.5

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

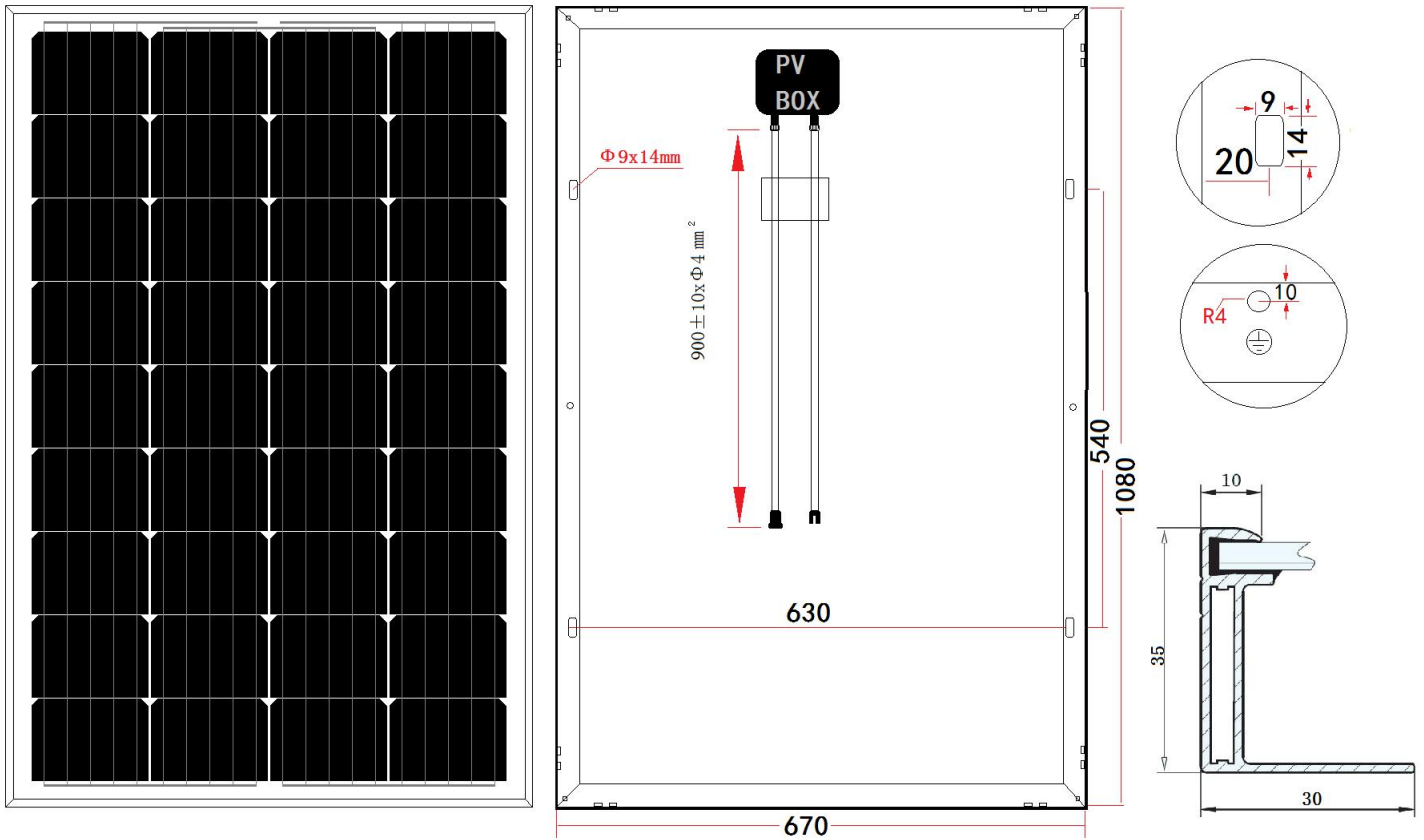
**ELECTRICAL PARAMETERS**

Series Number	GSPV-110W(156M)36	GSPV-115W(156M)36
Cell Type	Mono	
Max power	110w	115w
Power Tolerance	0~5w	
Nominal Voltage(V)	18.15	18.25
Nominal Current(A)	6.06	6.30
Open circuit voltage(V)	22.25	22.35
Short circuit current(A)	6.57	6.75
Size of cell/strip(mm)	156x105	156x110
Number of cell/strip	36(4x9)	
Effi. Of cell	>4.75w	>4.75w
FF(fill factor)%	75.25	76.23
NOCT	45℃±2℃	
Temperature Co-efficient	Isc	+0.049% /℃
	Voc	-0.340% /℃
	Pmpp	-0.430% /℃
STC :Irradiance 1000w/m <sup>2</sup> , Module temperature 25℃ ,AM=1.5		

**WARRANTY**

10years on material on workmanship
10years with 90% output, 20years with 80% output

### Structure Diagram



### Assemble Process

