



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	Polycrystalline 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 ² x900mm Cable
Dimensions(mm)	980x670x35
Weight(kg)	7.0

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-95W (156P)36	GSPV-100W (156P)36
Cell Type	Poly	Poly
Max power	95w	100w
Power Tolerance	0~5w	
Nominal Voltage(V)	18.05	18.13
Nominal Current(A)	5.26	5.52
Open circuit voltage(V)	22.05	22.13
Short circuit current(A)	5.81	6.02
Size of cell/strip(mm)	156x95	156x100
Number of cell/strip	36(4x9)	
Power Of cell	>4.50w	>4.5w
FF(fill factor)%	74.15	75.06
NOCT	45℃±2℃	
Temperature Co-efficient	Isc	+0.049% /℃
	Voc	-0.340% /℃
	Pmpp	-0.430% /℃
STC :Irradiance 1000w/m ² , Module temperature 25℃ ,AM=1.5		

WARRANTY

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

Structure Diagram

Assemble Process

