

# Solar Panel

## Features:

Type(Module)	100W
Power(Wp)	100W
Module Size	1190*540*35(mm)
Weight	9.0(kg)

## Specifications:

Operatine Voltage	18.0V
Max Operatine Current	5.56A
Open-Circuit Voltage	21.24V
Short-circuit Current	6.1A
Max-Power	100W
Max System Voltage	1000V



# 360 Watt Grid Tie Inverter (DC 14V-28V/AC 190-260V)

What is a grid tie power inverter? The main difference between a standard power inverter and a grid tie power inverter is that the latter also ensures that the power supplied will be in phase with grid power.

## Specifications:

Model	GT-360W	
Normal AC Output Power	300W	
Maximum AC Output Power	360W	
AC Output Voltage Rang	110v or 230v, it does not both in one inverter	190V ~ 260V
AC Output Frequency Range	46Hz ~ 65Hz	
Total Harmonic Distortion(THD)	<5%	
Power Factor	0.99	
DC Input Voltage Range	14V ~ 28V	
Peak Inverter Efficiency	95%	
Standby Power consumption	<0.5W	
Output Current Waveform	Pure Sine-wave	
MPPT Function	Yes	
Over Current Protection	Yes	
Over Temperature Protection	Yes	
Reverse Polarity Protection	Yes	
Island Protection	Yes	
Stackable	Yes	

## Features:

- Grid-Tied
- Generates pure Sine Wave
- Plug and Play Design, simply plug into an outlet (GFI), no hard-wiring
- Maximum Power Point Tracking (MPPT) - optimize power output
- Stackable (connect in parallel for higher output)
- Island protection: Inverter will shut down during black outs.
- Simple and safe installation
- Reverse polarity protection
- Constant Power Output
- Low distortion output on all ranges
- Allow different Power factor from loads
- Does not require rewiring of existing electronics
- LED indicators to reflect power output rate
- Compact and light weight design

## Mechanical Specifications:

Operating Temperature Range	-10 0C ~ 45 0C
N.W.	1Kg
G.W	1.5 Kg
Dimension	240mm*185mm*95mm

## Use guide:

**1** Connect the Solar Panel's DC supply cables to the DC input terminal of the inverter, be sure that the polarity is correct.

**2** Connect the supplied AC power cord to the inverter and plug it to a home wall socket.

**3** The 3 green LED indicators will start to cycle from left to right when the grid and DC supply is detected. This indicates the inverter is operating under normal condition. The rate of the cycling is according to how much power is being output from the solar panels. The more big output power is, the more fast the rate is. If there is no AC grid detected, the red LED will be on, the inverter will not put out power, this is called "Island Protection".

