Pure Sine 350W (Power Inverter)

Ittelecom Optical Technology Co., ltd

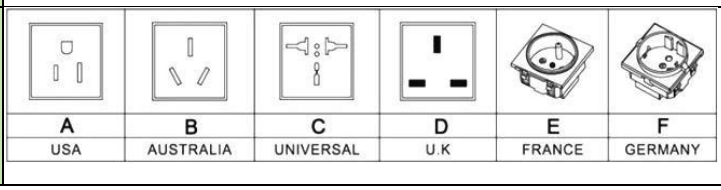
P/N: ITT-PO9680

Features:

- **Continuous Output Power: 350W**
- **Peak Power: 600W (<5s)**
- **DC Input Voltage: 48V**

A power inverter, or inverter, is a power electronic device or circuitry that changes direct current (DC) to alternating current (AC). The resulting AC frequency obtained depends on the particular device employed. Inverters do the opposite of "converters" which were originally large electromechanical devices converting AC to DC. A power inverter can be entirely electronic or may be a combination of mechanical effects (such as a rotary apparatus) and electronic circuitry. Static inverters do not use moving parts in the conversion process.

Continuous Output Power	350W
Peak Power	600W (<5s)
DC Input Voltage	48V
AC Output Voltage	220VAC±5%
No-load Current	＜1.5A(DC52V)
AC Output Frequency	50HZ±1%/60HZ±1%
AC Output Waveform	Pure Sine Wave
Waveform Distortion	THD<3%(Linear load)
Efficiency	90%(DC52V)
DC Input Voltage Range	44V～60V
Low Voltage Alarm	41.8±1.2V
Low Voltage Shutdown	38±0.4V
Over Voltage Protection	65±2V
Low Voltage Recovery	47.2±0.8V

Over Voltage Recovery	63±1V
Over Load Protection	120%～125%
Protective Function	Low voltage: LED red light, Buzzer alarm, automatic recovery
	Over voltage: LED red light, automatic recovery
	Over load: LED red light, automatic shut down, need restart
	Over temperature: LED red light, Buzzer alarm, automatic recovery
	Short circuit (within 2s): automatic recovery
	Input reverse connection: fuse burn-out
Working Temp.	-10°C-40°C
Storage Temp.	-30°C-70°C
Humidity	20%～90%RH Non-condensing
Working Altitude	≦3000m
Machine Size	16*13*7cm
Net Weight	0.94±0.1kg
Packing Size	670*290*270mm
Gross Weight	1.2±0.1kg
Socket types	

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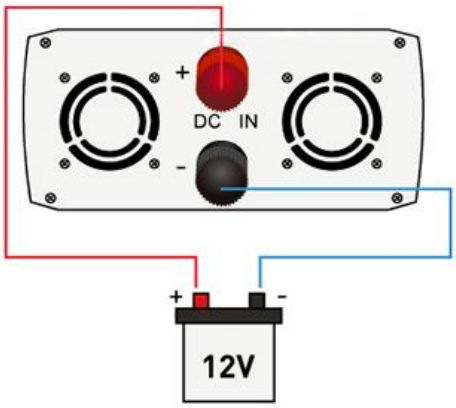
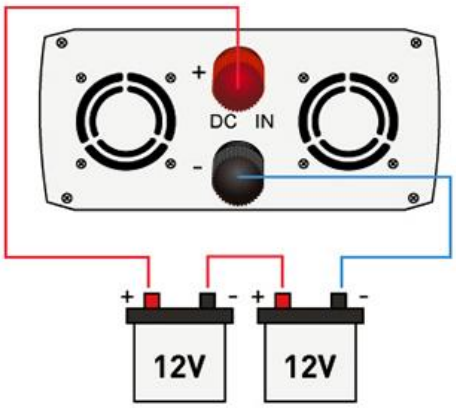
- **Low Voltage Protection**
  Function: Automatically protect when be in low voltage: first alarm, then the voltage continuously reduce. LED red on, and the machine shuts down.
- **Over Temperature Protection**
  Function: It can automatically self protect when at high temperature: first alarm, then the temperature continues to rise. LED red on, and the machine shuts down.
- **Over Voltage Protection**
  Function: Automatically protect when be in high voltage: LED red on, the machine automatically shuts down.
- **Short Circuit Protection**
  Function: Automatically self protect when short circuit: LED red on.
- **Overload Protection**
  Function: Automatically self protect when load too much power: LED red on, the machine automatically shuts down..
- **Reverse Polarity Protection**
  Features: Automatically protect when positive and negative cables are reverse connected: fuse burns out.

Connecting Diagram

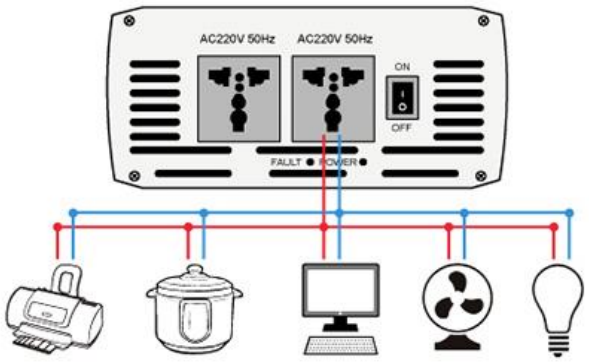
12V Inverter Connection



24V Inverter Connection



Outputs Connection



Tips

24V and 12V inverters are connected in simiar ways, but batterie in series.

Intelligent fan

It starts and shut down intelligently depending on the temperature and loads,efficient and energy-saving

Positive terminal
Connect to battery positive electrode

Negative terminal
Connect to battery negative electrode