

User's Manual

Introduction

This power inverter converts 12 volts, direct current (12VDC) to 110 volts, alternating household current (110VAC). And it can be widely used in all kinds of electrical equipments, such as cellphone, laptop, electric lamp, digital camera, vidicon, TV, electric tool, CD player, DVD, electric fan etc. It is your best choice for outdoor work, travel, mobile work, or meeting an urgent need when power failure.

Product Feature

This power inverter made of advanced PWM CMOS chip, can work in the state of ultrasonic sound, which can largely reduce the volume and weight, and make the inverter work without noise. It is small, light, quiet and convenient with a multiple protective circuit, which can protect your electrical equipment and car. For example, when the voltage of the car battery is below 10V, the inverter can shut down automatically to save the power of the battery. The inverter with a universal socket can be widely used in many countries. And a USB output socket can be directly used to charge your MP3 and mobile phone and many other portable devices.

Product Usage

1. Put the switch to "OFF" or "O".
2. Connect the inverter to the DC power supply such as 12V. for example, the cigarette lighter or battery connection (the red one goes to the positive terminal "+", the black one connect to the negative terminal "-").
3. The cigarette lighter of the car can only provide the power below 200W. So you must connect the alligator clips to the terminal of battery when the output power exceed 200W.
4. Make sure the power of the connected equipment do not exceeds inverter's rated power range.
5. Put the switch to "ON" or "I", if the green LED is on, the inverter is working. If the red LED is on, the inverter is protecting, please switch to the off position and then check the problem, such as overload, shortcircuit or the voltage of battery. Do not restart the inverter until the source of the problem has been identified and corrected.

Technical Parameters

Rated Power	150VA	200VA	350VA	400VA	700VA
Peak Power	300VA	400VA	600VA	800VA	1000VA
Efficiency	>89%	>89%	>89%	>89%	>89%
DC Input Voltage	12V	12V	12V	12V	12V
Low Voltage Protection	10V \pm 0.5V	10V \pm 0.5V	10V \pm 0.5V	10V \pm 0.5V	10V \pm 0.5V
Over Voltage Protection	15V \pm 0.5V	15V \pm 0.5V	15V \pm 0.5V	15V \pm 0.5V	15V \pm 0.5V
Temperature Protection	50 $^{\circ}$ C \pm 20%	50 $^{\circ}$ C \pm 20%	50 $^{\circ}$ C \pm 20%	50 $^{\circ}$ C \pm 20%	50 $^{\circ}$ C \pm 20%
AC Output Voltage	110V \pm 10%	110V \pm 10%	110V \pm 10%	110V \pm 10%	110V \pm 10%
Output Frequency	60Hz \pm 2Hz	60Hz \pm 2Hz	60Hz \pm 2Hz	60Hz \pm 2Hz	60Hz \pm 2Hz
Output Wave	Modified Sine Wave				
Dimension(mm)	82.4*89*47	102.4*89*47	122.4*89*47	152.4*89*47	220.4*89*47
Product N.W.(Kg)	0.3	0.35	0.42	0.5	0.8



Typical Power Consumption

Reversible Drill	720 Watts
Coffee Maker	600 Watts
Portable Vacuum	520 Watts
Blender	450 Watts
Home Stereo	350 Watts
20" TV/VCR Combo	300 Watts
Computer/Printer/Fax	150 Watts
Halogen Light Bulb	100 Watts
Mini Stereo/CD	50 Watts
Laptop Computer/8" TV	45 Watts
Video Game	19 Watts
Mobile/Camcorder Charger	10 Watts