

BESTEK

BESTEK GLOBAL LLC

1000W Power Inverter

MODEL NO.:MRI10011

Introduction

The 1000W inverter converts DC power stored in 12-Volt batteries or other DC power sources into the AC electrical power that many home appliances and tools need. That is perfect for use at worksites, on boats, or for permanent use in a solar power setup and ideal for running home appliances, pumps, and motors. It provides 1000 Watts of continuous power to keep it running for your notebook, TV, fan, refrigerator, games machine, DVD, MD, light, musical instrument, solar panel and outdoor work. Please make sure that your total rated power using in this unit is less than 1000W.

The inverter is attached to one or several batteries, which serve as your power source. The devices that you want to run are then plugged into the outlets on the front of the inverter. An extension cord can be for devices that are located farther away. Once set up, simply turn on the inverter and then turn on each device.

Features

1. Equipped with two 110-Volt household electrical outlets, and provides 1000-Watts of continuous power.
2. With numerous safety features to keep you and your gear safe. will automatically shut down in the event of short-circuits, low battery power, DC input voltage overload, output overload, or excessive temperature. And can resume working automatically after these exceptions eliminated.
3. Equipped with LED light, power switch, a high-speed cooling fan, and a soft-start, surge protection, input & output isolated system.
4. Fan of each power inverter has a smart function speed adjustment to effectively reduce noise and give you a quiet environment. The cooling fan won't work when power on, but after the power work load rises to certain degree it will start to work.

SPECIFICATION

- Power: rated 1000W, Max 1200W
- Input voltage: DC11-15V
- Output voltage: AC110-120V 60Hz
- Under voltage protection: DC10-10.5V
- Over voltage protection: DC15-16V
- Converter efficiency: $\geq 91\%$

Usage Steps

1. Open the package box and fetch the product out.
2. The voltage of battery you choose matches the input voltage of labeled product.
3. Link the Red clamp to the positive terminal and Black clamp to the negative terminal of battery, and secure it clamp tightly.
4. Clamps are connected to the battery when the power switch is OFF (the Red clamp to the positive terminal and Black clamp to the negative terminal).
5. Start the inverter after connected to the battery, the load voltage should match the labeled voltage.
6. Keep the 20cm distance from the inverter working space for heat radiation. Please use it away from high dust, high pollution and other bad environmental places.

Troubleshooting and Solutions

In order to facilitate customers to troubleshoot the use of the product, please refer to the following table of LED status.

Type of indicator light	Status	Reason	Fault Solution
LED indicator light	The green light is always on	The inverter works properly	
	Green light flashes	Low voltage or over voltage	Please check the car battery capacity. In this case, USB works normally.
	Red light flashes	Overload protection	1. Pull your devices out. When the LED turns to show a solid green light, the inverter will work properly. 2. If the LED doesn't show a green light after you plug out devices, please press the button and restart the inverter. 3. In this case USB ports can work.

LED indicator light	The red light is always on	Short-circuit protection	1. Turn off the inverter by pressing the button, restart after the red light has gone out. The inverter will work after it has a solid green light. 2. In this case USB ports can work normally.
	Green and red light alternatively flashes	Overheat protection or fan does not run	1. Pull your devices out. wait for 3-5 minutes to restart. When the LED turns to show a solid green light, the inverter will work properly. 2. If the inverter doesn't work after being restarted, please wait for a few minutes until the temperature inside turns to be normal. 3. Plug out or turn off your devices, allow the fan to run for 3-5 minutes. When the LED turns to show a solid green light, the converter will work properly. 4. In this case USB ports can work.
	off	The inverter hasn't been started up or doesn't work, or fuse blew	1. Check whether the switch is turned on. 2. Check whether the cigarette lighter port is damaged or unable to supply power. 3. Neither the USB nor AC ports work in this case.

Notes

1. Please make sure that the rated power you use in this unit is less than 1000W. In this way, the inverter can be used for a longer time.
 2. Screw off the nuts on the poles; connect the wire with red and black loop to the red and black pole respectively. Screw down the nuts tightly to make the loops connect with the poles.
 3. Clip the red clip to the positive pole(+) of the battery, black to the negative(-). Make sure not clip them conversely or the connection protection will function and cause fusing. In this case, replace with a new fuse and connect again.
 4. Unfold the fuse box, then replace the fuse with the same type.
 5. Rock the switch at ON. It means the inverter is at normal situation when the indicator alters from red to green. Plug the electric appliance to the socket of the inverter inverter and turn it on.
 6. When the over load, over current, over heat or short circuit etc. occur, this unit will protect itself automatically and the indicator will be red, and there will be no voltage output any more. The inverter can resume work automatically when it resumes normal condition.
 7. Please make sure to use this unit in draught place and keep it away from high temperature, stress, tide and dust.
 8. When using this unit, please apply the common sense of using other electric appliance.
- ※Please tighten the Positive(+) and Negative(-) terminals nuts when connecting, otherwise its loosing nuts will block the current and cause it smoke.

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