

BESTEK

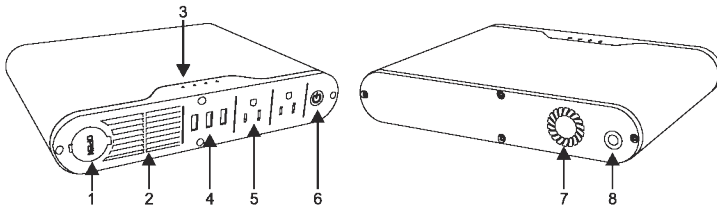
Portable Pure Sine Wave Battery Power Inverter
MODEL NO.: MRP450A-1511

Thank you for purchase our BESTEK car battery power inverter, please read the manual before use, and follow the instructions Strictly.

Description

This product is portable pure sine wave battery power inverter, it can provide 110V pure sine wave ac output and 5V/12V dc output, lightweight and portable, safe and reliable, suitable for business trip, travel or family emergency use.

Structure Diagram



- 1. Cigarette Lighter
- 2. Fan Exhaust Hole
- 3. Power Indicator Light
- 4. USB Port
- 5. AC Port
- 6. Power Button / Status Light
- 7. Fan
- 8. Power Input Interface

Function

- 1. This product is equipped with 2 AC ports, 3 USB ports and 1 cigarette lighter master.
- 2. AC port output is 110Vac 60Hz pure sine wave AC, its rated power is 150W, can be used for notebook computers, sports cameras, drones, electric toothbrushes, straight hair sticks, curling sticks and other electronic and electrical products that support wide voltage input within 150W.
- 3. The cigarette lighter output is 12V direct current, which can supply power for GPS, auto data recorder, car refrigerator, car purifier and other car electric appliances.
- 4. The output of the three USB ports is 5V/4.2A (Auto 2.4A Max Per Port), with automatic charging identification function. The built-in communication handshake chip can automatically identify the type and model of the mobile phone, so that the mobile phone can be charged quickly. It is suitable for charging of mobile phones of various brands and digital electronic products.
- 5. 4 power indicator lights, indicating 25%, 50%, 75% and 100% power respectively.
- 6. USB output is completely isolated from ac, and can be used safely.
- 7. Fan automatic speed regulation function: the fan of this product has the function of intelligent

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speed regulation, which can effectively reduce noise and provide you with a quiet environment. (Note: the fan will not start when only the cigarette lighter interface and USB interface are used, or when the AC interface load is low.)

- 8. This product has the functions of overvoltage protection, overcharge protection, overdischarge protection, overtemperature protection, overload protection and short circuit protection. Fully protect the safety of your electrical appliances.

- ◇ Overvoltage protection: when charging the product, overvoltage protection will be triggered when the charging voltage is too high, without damaging the battery.
- ◇ Overcharge protection: the battery will not leak, catch fire or explode due to overcharge.
- ◇ Overdischarge protection: the battery will not leak, catch fire or explode due to overdischarge.
- ◇ Over-temperature protection: when the temperature of the product is too high, over-temperature protection will be triggered to avoid damage caused by high temperature.
- ◇ Overload protection: when the output power of AC port is greater than 160W, AC overload protection will be triggered; USB overload protection will be triggered when the output power of USB port is greater than 6A.
- ◇ Short circuit protection: when AC output or USB output short circuit, will trigger short circuit protection, so that the product is not damaged.

Operation Guide

- 1. Take out the product, connect the charger to the product, and connect it to the power socket, charge the product, and the power indicator will show the battery level. (Note: when using AC charger, the charging time is about 7 hours; When using a cigarette lighter charger, the charge time is about 6 hours.)
- 2. The product cannot be used during charging, so unplug the charger after charging.
- 3. No need to boot, USB interface and cigarette lighter interface can be used directly.
- 4. Press the power button 4s for a long time, and the status indicator is always green, indicating that the product function is normal, and it can be used in the AC interface to access the electrical appliances.
- 5. If the product status indicator light is abnormal after starting up, please refer to "failure and solution" or contact customer service for solution.
- 6. After use, long press the power button to shut down.
- 7. When power off, if you need to check the battery power, you can press the power button for 1s.

Specifications

Input	DC 12-24V 2A
AC Output	AC 100-120V 60Hz 150W
Cigarette Lighter Rated Output	DC 9-12V, 150W
USB Output	5V \equiv 4.2A (Auto 2.4A Max Per Port)
Battery Capacity	45000mAh

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Protection	Overvoltage protection, over charge protection, over discharge protection, over temperature protection, overload protection, short circuit protection
Work environment	Temperature: 5 ~ 40°C Humidity: 10 ~ 90%
Size	243mm×189mm×43mm
Weight	1988g

Parts list

Battery power inverter×1
AC charger×1
Cigarette Lighter charger×1
Travel case×1
Manual×1
Service card×1

Cautions & Warnings

- 1. Please use the standard charger for charging.
- 2. Make sure the power of the appliance is within the rated power of the product.
- 3. Keep dry, keep away from flammable liquid or gas, avoid direct sunlight or high temperature, do not use the product after getting wet.
- 4. Avoid outdoor use in rainy days.
- 5. When not in use, please take good care of it. Please do not put it in the kitchen, bathroom or other damp places with direct sunlight.
- 6. Do not put your finger into the socket and touch the product with wet hands when the product is connected to prevent electric shock.
- 7. Do not hit or shake the product strongly.
- 8. When not in use for a long time, it is best to keep 50% of the electricity.

Trouble Shooting

To check the use status of this product easily, please refer to the following LED status control.

LED Display Mode	Status	Explanation	Trouble Shooting
LED	Green	works normally	
	Red	short-circuit protection	1. Pull out the load. 2. Restart the machine when the red light goes off, and the green light will turn on normally. • USB can be used normally in this situation.

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	Flashing Red lights	AC Overload protection	1. Pull out the load, LED restored to evergreen state, you can be used normally. 2. Pull out the load, LED does not return to evergreen state, please restart the switch before use. • USB can be used normally in this situation.
	Red and green lights flash alternately	Overheat protection or fan not working	1. Pull out the load, Wait for 3-5 minutes to restart, and the green light will return to normal. 2. If it still can't work after restart, please wait a few more minutes, the temperature of the whole machine has not dropped to the normal standard. 3. Remove the load or turn off the load, and let the main fan rotate for 3-5 minutes. The green light will return to normal and can be used normally. • USB can be used normally in this situation.
	light off	No power on, insurance burn out, battery power down or trigger battery protection.	1. Check whether the switch is turned on; 2. Charge the product and try to start up after the battery is fully charged.

Warranty

Our company provides customers with a warranty of 18 months from the date of purchase.

Contact Us

For any inquiries or comments regarding our products, please send an email to customers.us@bestekcorp.com, and we will respond to you as soon as possible. If there is any quality-related issue with the product, you may request a REPLACEMENT OR REFUND by submitting a request to us.

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