BESTEK

200 Watt POWER

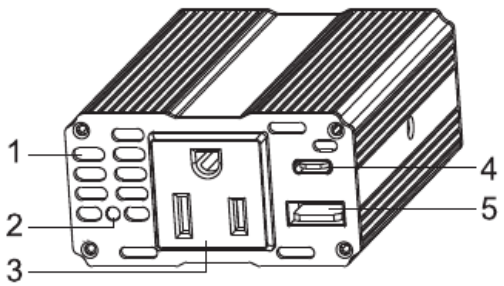
MODEL NO.: MRI2011HU

Thank you for purchasing BESTEK vehicle series products!
Please read the instructions carefully before using and operate strictly according to the instruclions.

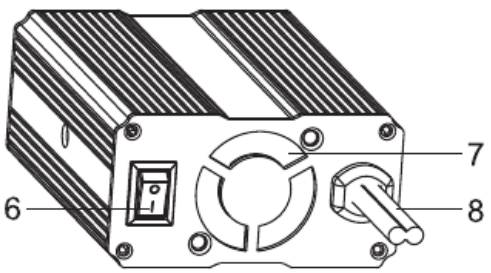
Introduction

Whether you are at home, on the road, or any rerote location, you can trust BESTEK portable and backup power solutions, for the traveler on-the-go to keep your important devices powered up. Put BESTEK power in the palm of your hand to keep you safe, productive and entertained, anylime and anywhere. This power inverter is ideal for those who frequently on the road, The 200W DC-AC Power inverter with DUAL USB charging ports is desig ned for all major brand notebook computers, digital portables like video camcorder, digital camera,iPad,iPod, cell phone, PSP,DVD player & etc.

Parts Diagram



1. Air Inlet
2. LED Power Indicator
3. AC Output Socket x1
4. USB-C(PD30W)
5. USB-A(QC18W)



6. AC Power Switch
7. Cooling Fan
8. DC Input Power cord

Features

• The product's input is vehicular DC cigarette lighter joint and the output is one American Standard AC socket.
• This product makes the DC12V step-up through the transformer, and then converters to AC110V, 60Hz correction wave output.
• The product is equipped with a USB-A charging port and a USB-C charging port. USB-A supports QC3.0 quick charge protocol, the output is 5V/3A, 9V/2A, 12V/1.5A, QC18W Max. USB-C supports PD3.1 power delivery specification protocol, the output is 5V/3A, 9V3A, 12V/2.5A, PD30W Max.
• This product has overload, over-current and short-circuit protection. Fully protect your electrical appliance safety.

Overload Protection Point

• The input voltage is 12V, Overload protection occurs when the AC output exceeds 200 W.

Short-circuit Protection

• Wice is allowed(The time of short-circuit is more than 1 second every time) and then get into the lockincstate and the red light is alwavs on, If you want to use, you must restart the host, Turn off the power andpay attention to restart host after red light is off. And the green light is always on, it is in a normal workingstate.

Under-voltage Protection Point

• Under-voltage protection comes with restoration function, the under-voltage protection point is 9.5V~10.5)under no-load condition, and monitoring sampling time is more than 0.5 second. The recovery voltage ofunder-voltage is 11~12V. Starting up host at under-voltage point, the system defaults the voltage ofbatterv is too low and makes it under lock status, not allows to start up. At the same time, the greenindicator light flashes slowly.

Overvoltage Protection Point

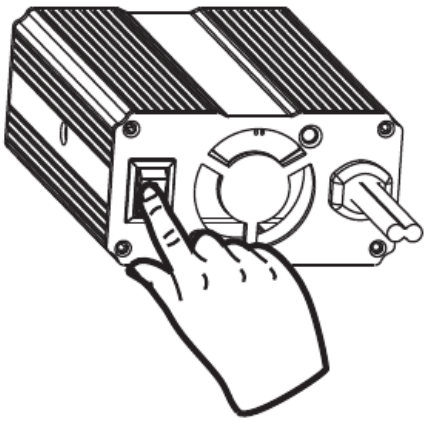
• Overvoltage protection comes with restoration function, the overvoltage protection point is 15~16Vunder no-load condition, the recovery voltage of overvoltage is 14~15.5V. Slowly flash of greenindicator after overvoltage protection.

Function of automatically adjusting fan's speed

• Smart cooling fan system makes the car power inverter very silent when operating. if you are concern about if the inverter working when the cooling fan work quietly, connect amore powerful device to test if the fan is working.

Product Instructions

• Take out the producl and connecl the input cigaretle ighter connector to the cigarette light port of your car,
• Press the product on switch.



• Check that the LED light is in a green and permanent state, and it can be used normally, If the LED lamp status is abnormal, please refer to “Troubleshooting and Solutions” or contact customer service staff to help you solve it.
• Connect your electrical appliances to AC or USB ports.



Specification Parameter

DC Input Rated	DC11-15V
AC Output Rated	AC 110-120V
USB Output	USB Output: 48W Max USB-A: 5V⎓3.0A, 9V⎓2.0A, 12V⎓1.5A QC18W Max USB-C: 5V⎓3.0A, 9V⎓3.0A, 12V⎓2.5A PD30W Max
Rated Total Output Power	200W
Built-in Protection	Output short circuit protection, input overvoltage protection, output overload protection, over-current protection, over temperature protection, input under-voltage protection, USB output over-voltage protection,input anti-reverse-connection function.
Max Input Voltage Cutoff	DC15-16V
Min Input Voltage Cutoff	DC9.5-10.5V
Working Environment	Temperature:-5~40°C, Humidity:10~90%RH
Storage Humidity	Temperature:-20~80°C, Humidity: 5~95%RH

Safety Precautions

• Do not use with any appliances with dangerous voltage warning
• Do not use with over 16V DC input.
• Make sure to provide adequate ventilation to the inverter.
• Never place inverter in an enclosure or near a eat source such as heat vent of cars and in direct sunlight.
• Do not use the inverler near any flammable liquid or gases.
• Do not expose to liquid or moisture or humidity.
• Do not handle with wet hands.
• This inverter's working temperature is -10C-40C (14F-104)
• Do not put metal fragment (eg, such as wire) inside,
• Do not attempl to dissemble.
• Keep out of the reach of children.

Troubleshooting and Solutions

LED Status	Reasons	Solutions
Solid green light	AC and USB outputs are innormal working condition	
Red light	Low voltage or over voltage of AC input, short circuit oroverload of AC output	Plug out devices from AC outlets, restart the converter (in this case USB ports work)
No light	Inverter has no power	Connect to car cigarette lighter
	The fuse is blown	Send forinspection or repair