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BYGD BYGD E8960 Red 200W Car Power Inverter

BYGD 200W Car Power Inverter User Manual

Model: BYGD E8960 Red 200W Car Power Inverter

Introduction

Thank you for choosing the BYGD 200W Car Power Inverter. This device is designed to convert 12V DC power from your vehicle's cigarette lighter socket into 110V AC power, along with multiple USB and Type-C charging ports. It provides a convenient and efficient solution for powering and charging various electronic devices on the go. Please read this manual thoroughly before use to ensure safe and optimal operation.



Image: The BYGD 200W Car Power Inverter, showcasing its compact design and the attached cigarette lighter plug.

Safety Information

To prevent injury or damage to the inverter and connected devices, please observe the following safety precautions:

- Do not exceed the inverter's rated power output of 200W. Overloading can cause damage to the inverter and connected devices.
- Ensure the inverter is connected to a 12V DC power source only. Do not connect to 24V DC or other voltage sources.
- Keep the inverter away from water, moisture, and extreme temperatures.
- Do not open or attempt to repair the inverter. Refer all servicing to qualified personnel.
- Ensure proper ventilation around the inverter during operation to prevent overheating. The built-in cooling fan requires unobstructed airflow.
- Disconnect the inverter from the power source when not in use.
- This inverter is designed for use with electronic devices. Do not attempt to power high-wattage appliances such as

hair dryers, microwaves, or coffee makers.



Image: Visual representation of the inverter's multi-protection features, including over voltage, overload, low voltage, overheating, and short circuit protection.

Product Overview

The BYGD 200W Car Power Inverter features a comprehensive design for versatile power needs in your vehicle.

Components:

- **2 x US Standard AC Sockets:** For powering devices requiring 110V AC.
- **4 x USB 2.4A Quick Charging Ports:** For charging smartphones, tablets, and other USB-powered devices.
- **1 x Type-C Port (18W Quick Charge):** For fast charging compatible Type-C devices.
- **1 x DC Cigarette Lighter Socket:** Allows continued use of the vehicle's cigarette lighter functionality.
- **ON/OFF Switch:** Controls the power to the inverter.
- **Indicator Light:** Shows the operational status.
- **Cooling Fan:** Built-in intelligent silent automatic control fan for heat dissipation.
- **Cigarette Lighter Plug:** For connecting to the vehicle's 12V DC outlet.
- **ABS Housing:** Durable and fireproof material.



Image: A detailed diagram illustrating the various components of the inverter, including AC sockets, USB ports, Type-C port, cigarette lighter port, power switch, indicator light, cooling fan, and overall dimensions (L=9.7 inches, W=2.6 inches, H=2.2 inches).



Image: Close-up views highlighting key features such as the soft start power switch, ultra-quiet fan, cord anchorage, fixing hole, reliable cigarette lighter connection, and high-quality copper wiring.

Setup

1. Ensure your vehicle's engine is running or the ignition is in the ACC position to provide power to the cigarette lighter socket.
2. Locate the 12V DC cigarette lighter socket in your vehicle.
3. Insert the inverter's cigarette lighter plug firmly into the vehicle's 12V DC socket.
4. The indicator light on the inverter should illuminate, indicating it is receiving power.
5. Press the ON/OFF switch on the inverter to turn it on.

Operating Instructions

Once the inverter is set up and powered on, you can connect your devices:

- **For AC Devices:** Plug your 110V AC devices (e.g., laptop chargers, small electronics) into the AC outlets. Ensure the total wattage of connected AC devices does not exceed 200W.
- **For USB Devices:** Connect your USB-powered devices (e.g., smartphones, tablets, power banks) to any of the four 2.4A USB ports.
- **For Type-C Devices:** Connect your compatible Type-C devices to the 18W Type-C port for fast charging.
- **For Cigarette Lighter Devices:** The integrated DC cigarette lighter socket can be used to power other 12V DC accessories.

The inverter is equipped with intelligent safety features to protect your devices and the inverter itself. These include over voltage, low voltage, overload, short circuit, and overheating protection.



Image: A visual guide demonstrating the wide range of compatible devices, such as mobile phones, tablets, fans, PSPs, notebooks, TVs, cameras, camcorders, speakers, GPS devices, shavers, and power banks. It also explicitly warns against

using high-wattage appliances like hair dryers, microwaves, and coffee makers.



Image: The inverter connected to two smartphones, illustrating its smart quick charging capabilities via the 2x 110V AC outlets, 1x Type-C 3.0 18W port, 1x cigar lighter port, and 4x USB (2.4A) ports.

Maintenance

To ensure the longevity and optimal performance of your BYGD Car Power Inverter:

- Keep the inverter clean and free from dust and debris. Use a soft, dry cloth for cleaning.
- Ensure the cooling fan vents are not blocked. Periodically check for any obstructions.
- Store the inverter in a cool, dry place when not in use.
- Avoid dropping or subjecting the inverter to strong impacts.

Troubleshooting

Problem	Possible Cause	Solution
Inverter not turning on.	Cigarette lighter plug not fully inserted. Vehicle's cigarette lighter socket has no power. Inverter's ON/OFF switch is off.	Ensure plug is firmly inserted. Check vehicle's fuse for the cigarette lighter socket. Turn the ON/OFF switch to the 'ON' position.
No power output from AC outlets/USB ports.	Device connected exceeds 200W. Inverter is in protection mode (overload, overheat). Poor connection.	Reduce load; use devices within 200W limit. Disconnect devices, turn off inverter, let it cool down, then restart. Ensure all connections are secure.
Inverter fan is loud or constantly running.	Inverter is getting hot due to heavy load or poor ventilation.	Ensure adequate ventilation around the inverter. Reduce the load on the inverter.

Specifications

Feature	Detail
Model Name	BYGD E8960 Red 200W Car Power Inverter
Input Voltage	DC 12V
AC Output Voltage	AC 110V
Continuous Power	200W
Peak Power	400W
AC Outlets	2 x US Standard
USB Ports	4 x 2.4A Quick Charging
Type-C Port	1 x 18W Quick Charge
Cigarette Lighter Socket	1 x DC 12V
Product Dimensions	9.7 x 2.6 x 2.2 inches
Item Weight	1 pound (450g)
Material	ABS Fireproof Material
Safety Protection	Over Voltage, Low Voltage, Overload, Short Circuit, Over Heat, Over Charge



Image: An internal view of the inverter highlighting its isolation voltage protection and other multi-protection features for electrical equipment.

Warranty and Support

BYGD provides an 18-month warranty for this product. For any questions, concerns, or technical support, please contact BYGD customer service. They offer 24-hour, 7-day customer service to ensure your satisfaction.
Please refer to the contact information provided with your purchase or visit the official BYGD website for support details.

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