

Westward 40035-20067

Westward 100W Power Inverter User Manual

Model: 40035-20067

1. INTRODUCTION

Thank you for purchasing the Westward 100W Power Inverter. This device converts 12V DC power from your vehicle's cigarette lighter socket into 115V AC household power, allowing you to operate or charge various electronic devices on the go. It also features a 500mA USB port for charging USB-powered devices. Please read this manual thoroughly before use to ensure safe and efficient operation.

2. IMPORTANT SAFETY INSTRUCTIONS

WARNING: Failure to follow these instructions may result in electric shock, fire, or serious injury.

- **Do not** open the inverter casing. There are no user-serviceable parts inside.
- **Do not** expose the inverter to rain, moisture, or extreme temperatures.
- Ensure adequate ventilation around the inverter. **Do not** block ventilation openings.
- **Do not** connect the inverter to AC power sources. It is designed for 12V DC input only.
- **Do not** exceed the inverter's rated power output (100W nominal, 200W peak). Overloading can damage the inverter and connected devices.
- Keep out of reach of children.
- Always disconnect the inverter from the power source when not in use.
- Use in a well-ventilated area.

3. PRODUCT OVERVIEW

The Westward 100W Power Inverter is a compact and portable device designed for convenience. It features a robust casing and essential ports for power conversion.



Figure 1: Westward 100W Power Inverter. This image shows the compact design of the inverter, featuring a cigarette lighter plug for 12V DC input on one end and the 115V AC outlet and USB port on the other end. The central section has heat dissipation fins.

Key Components:

- **12V DC Cigarette Lighter Plug:** For connecting to your vehicle's 12V DC power outlet.
- **115V AC Standard 3-Prong Outlet:** For connecting standard household AC devices.
- **500mA USB Port:** For charging USB-powered devices like smartphones or tablets.
- **Power Indicator LED:** Illuminates when the inverter is powered on.
- **Ventilation Openings:** Essential for heat dissipation.

4. SETUP

1. Ensure your vehicle's engine is running or the ignition is in the accessory position to provide power to the cigarette lighter socket.
2. Insert the inverter's 12V DC cigarette lighter plug firmly into your vehicle's 12V DC accessory socket.
3. The Power Indicator LED on the inverter should illuminate, indicating it is receiving power and ready for use.
4. Ensure the inverter is placed in a location with good airflow and away from direct sunlight or heat sources.

5. OPERATING INSTRUCTIONS

Connecting AC Devices:

1. Before connecting any device, ensure its power consumption does not exceed the inverter's nominal output of 100W (or 200W peak). Check the device's power rating.
2. Plug the AC device's power cord into the 115V AC standard 3-prong outlet on the inverter.
3. Turn on the connected AC device.
4. If the inverter's overload protection activates (indicated by a warning light or audible alarm, if present), immediately disconnect the device and reduce the load.

Connecting USB Devices:

1. Plug your USB charging cable into the 500mA USB port on the inverter.
2. Connect the other end of the USB cable to your USB-powered device.
3. The device should begin charging automatically.

Note: The inverter may produce a slight humming sound during operation, which is normal. If the sound is loud or accompanied by excessive heat, disconnect the inverter and consult the troubleshooting section.

6. MAINTENANCE

- **Cleaning:** Periodically wipe the exterior of the inverter with a soft, dry cloth. Do not use liquid cleaners or solvents.
- **Ventilation:** Ensure the ventilation openings are free from dust and debris. Use compressed air if necessary to clear blockages.
- **Storage:** When not in use, store the inverter in a cool, dry place, away from direct sunlight and moisture.
- **Connections:** Regularly check the cigarette lighter plug and AC outlet for any signs of damage or corrosion.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power output from AC outlet or USB port.	Inverter not properly plugged in; Vehicle's 12V socket not active; Blown fuse in vehicle's 12V socket; Overload protection activated.	Ensure firm connection; Check vehicle ignition; Check vehicle's fuse box; Disconnect devices, reduce load, and reconnect.
Inverter shuts down during use.	Overload; Overheating; Low battery voltage.	Reduce connected load; Ensure proper ventilation; Check vehicle battery voltage.
Connected device not charging/operating correctly.	Device requires more power than inverter provides; Device incompatibility.	Verify device power requirements are within 100W; Consult device manual for compatibility.

8. SPECIFICATIONS

Feature	Specification
Model Number	40035-20067
Input Voltage	12V DC
Output Voltage	115V AC
Nominal Output Power	100W
Peak Output Power	200W
Number of AC Outlets	1 (Standard 3-Prong)
DC Connection	Cigarette Lighter Input
USB Port Output	500mA
Dimensions (L x W x H)	5.51" x 2.68" x 5.51"
Case Material	ABS

9. WARRANTY AND SUPPORT

For information regarding warranty coverage, technical support, or replacement parts for your Westward 100W Power Inverter, please contact Westward customer service directly. Refer to the product packaging or the official Westward website for the most current contact information.