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## Ampeak 750W Inverter

# Ampeak 750W Power Inverter User Manual

Model: 750W Inverter | Brand: Ampeak

## INTRODUCTION

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The Ampeak 750W Power Inverter is designed to convert 12V DC power from your vehicle's battery into 110V AC household power, allowing you to operate various electronic devices and small appliances on the go. This manual provides essential information for safe and efficient operation, installation, and maintenance of your inverter.



Image: Ampeak 750W Power Inverter with battery clip cables and cigarette lighter plug cable.

## SAFETY INFORMATION

Your Ampeak 750W Power Inverter is equipped with 11 safety protections to ensure the safety of both the device and your connected appliances. Always read and understand all safety warnings before use.

- **Output Overcurrent Protection:** Prevents damage from excessive current draw.
- **Battery Low Voltage Protection:** Shuts down to prevent deep discharge of the battery.
- **Over Voltage Protection:** Protects against input voltage exceeding safe limits.
- **Battery Low Voltage Warnings:** Alerts user to low battery conditions.
- **Inverter Overheat Protection:** Automatically shuts down if internal temperature exceeds safe limits.
- **Inverter Overcool Protection:** Ensures optimal operating temperature.
- **Inverter Low Voltage Protection:** Protects the inverter from insufficient input voltage.
- **Inverter Over Voltage Protection:** Safeguards the inverter from excessive input voltage.
- **Output Short Circuit Protection:** Prevents damage from short circuits at the output.
- **USB Short Circuit Protection:** Protects USB ports from short circuits.
- **Output Overload Protection:** Shuts down if connected load exceeds inverter capacity.

# 11 SAFETY PROTECTIONS

Keep you and your devices safe



Inverter **Safe**  
Battery **Safe**  
Loads **Safe**



Image: Visual representation of the 11 safety protections integrated into the Ampeak 750W Power Inverter.

## WHAT'S IN THE BOX

Upon opening the package, verify that all the following items are included:

- (1) 750W Power Inverter
- (2) Battery Clip Cables (one red for positive, one black for negative)

- (1) Cigarette Lighter Plug Cable
- Instruction Manual (this document)

## PRODUCT FEATURES

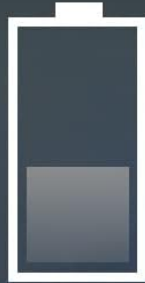
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The Ampeak 750W Power Inverter offers several key features for versatile and reliable power conversion:

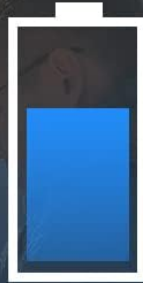
- **750W Continuous Power (1500W Peak):** Provides stable power for a wide range of devices.
- **Dual AC Outlets:** Allows connection of two standard 110V AC appliances simultaneously.
- **Dual USB Ports (2.4A each):** Enables fast charging for mobile phones, tablets, and other USB-powered devices.
- **Dual Connection Options:** Use Battery Clip Cables for high-power devices or the Cigarette Lighter Plug for quick, low-power needs.
- **Two Replaceable 50A External Fuses:** Provides additional protection against overload and overcurrent.
- **Smart Fan Activation:** The cooling fan activates only when the internal temperature reaches 50°C (122°F) or during high power demand, reducing noise and energy consumption.

# FAST CHARGING

Dual 2.4A USB Ports



Normal  
2.1A



Ampeak  
Fast 2.4A

**+20%**

USB charging speed



Image: Illustration of the inverter's fast charging capabilities via its dual 2.4A USB ports.

## SETUP AND INSTALLATION

Follow these steps for proper and safe installation of your Ampeak 750W Power Inverter:

1. **Step 1: Prepare the Inverter.** Ensure the inverter's power switch is in the "OFF" position. Connect the battery clip cables to the inverter's terminals. The red cable connects to the red (positive) terminal, and the black cable connects to the black (negative) terminal. Ensure connections are secure.

- Step 2: Connect to Battery.** Connect the battery clip cables to your vehicle's 12V battery. Connect the red (positive) battery clip to the positive (+) terminal of the battery. Connect the black (negative) battery clip to the negative (-) terminal of the battery. Ensure a firm connection. Alternatively, for lower power devices, plug the cigarette lighter plug cable into your vehicle's 12V cigarette lighter socket and connect the other end to the inverter.
- Step 3: Power On and Connect Appliances.** Once the inverter is securely connected, turn the inverter's power switch to the "ON" position. The indicator light should illuminate. You can now plug your AC appliances into the inverter's AC outlets or USB devices into the USB ports.

## EASY TO INSTALL

Upgrade the battery clip,  
more safe and convenient

### 01

Make sure the inverter power switch is off. Connect inverter terminals.



### 02

Connect the battery terminals. **Pay attention to** Inverter red positive to battery red positive, inverter negative to battery negative



### 03

Turn on the inverter power switch and plug in your appliance.



## OPERATING INSTRUCTIONS

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To operate your Ampeak 750W Power Inverter:

- Ensure the inverter is properly installed and connected to a 12V DC power source.
- Turn on the inverter using the ON/OFF switch.
- Plug your desired AC appliances (up to 750W continuous, 1500W peak) into the AC outlets.
- Plug your USB devices into the 2.4A USB ports for charging.
- Monitor the inverter's indicator lights for status (e.g., power, error).
- When finished, turn off the inverter before disconnecting any appliances or the power source.

# POWER YOUR **OUTDOOR TRAVEL**

Fill air mattress when you camping



Image: The inverter being used to power an air mattress pump for outdoor activities.

# POWER SOUND SYSTEM



Image: The inverter providing power for sound system equipment, demonstrating its versatility.

## MAINTENANCE

To ensure the longevity and optimal performance of your inverter:

- Keep the inverter clean and free from dust and debris.
- Ensure proper ventilation around the unit. Do not block the cooling fan or vents.

- Regularly check the battery connections for tightness and corrosion.
- Store the inverter in a cool, dry place when not in use.
- If external fuses blow, replace them with the same type and rating (50A).



Image: Detail showing the location of the replaceable 50A external fuses.



Image: Illustration of the inverter's intelligent heat dissipation system with dual cooling fans.

## TROUBLESHOOTING

If you encounter issues with your Ampeak 750W Power Inverter, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No power output	Inverter switch OFF, loose connections, low battery voltage, blown fuse, overloaded.	Turn switch ON, check all connections, charge battery, replace fuses, reduce load.
Overload shutdown	Connected appliance exceeds 750W continuous or 1500W peak.	Disconnect appliance, turn inverter OFF then ON, use lower wattage appliance.
Overheat shutdown	Poor ventilation, high ambient temperature, prolonged high load.	Ensure clear airflow around inverter, move to cooler environment, reduce load.
Low battery alarm/shutdown	Vehicle battery voltage is too low.	Start vehicle engine to recharge battery, or connect to a fully charged battery.

## SPECIFICATIONS

Attribute	Value
Brand	Ampeak
Model	750W Inverter (IVUFB0750)
Continuous Power	750 Watts
Peak Power	1500 Watts
Input Voltage	12 Volts DC
Output Voltage	110 Volts AC
USB Output	Dual 2.4A Ports
Product Dimensions	5.2 x 2.56 x 7.91 inches
Item Weight	2.2 pounds
Fuses	Two Replaceable 50A External Fuses

## WARRANTY AND SUPPORT

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Ampeak offers a 30-Day No-Risk Return policy and 18-Month Support for your peace of mind. If any issues arise with your product, please contact Ampeak customer service for assistance. They aim for a 24-hour response and a satisfactory solution.

For further support, you may visit the official Ampeak Store: [Ampeak Store on Amazon](#).