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PowerDrive PWD400

PowerDrive PWD400 400 Watt Power Inverter Instruction Manual

Model: PWD400

PRODUCT OVERVIEW

The PowerDrive PWD400 is a 400-watt power inverter designed to convert 12V DC power from your vehicle's battery into 110V AC power. This allows you to operate various AC devices and charge USB-powered electronics while on the go. It features two 3-prong AC outlets and dual USB ports (Standard 2.4A and USB-C 3.0A) for versatile power solutions.



Image: Top-down view of the PowerDrive PWD400 Power Inverter, highlighting its two AC outlets and dual USB ports.

WHAT'S IN THE BOX

- PowerDrive PWD400 Power Inverter
- 12-volt plug (cigarette lighter adapter)
- 36-inch battery clamp cables



Image: The PowerDrive PWD400 inverter shown with its included 36-inch DC cable (cigarette lighter plug) and 36-inch battery clamp cables.

SETUP

Connecting to a 12V Power Source:

1. **Using the 12-volt plug (cigarette lighter adapter):** Insert the 12-volt plug into your vehicle's cigarette lighter socket. Ensure a secure connection. This method is suitable for lower power applications.
2. **Using the 36-inch battery clamp cables:** For higher power applications or direct battery connection, attach the red clamp to the positive (+) terminal of your 12V battery and the black clamp to the negative (-) terminal. Connect the other end of the cables to the corresponding terminals on the inverter. Ensure all connections are tight and secure.

Important: Always ensure your vehicle's engine is running when using the inverter for extended periods or with high-wattage devices to prevent draining the vehicle's battery.



Image: The PowerDrive PWD400 inverter connected to a 12V power source using the cigarette lighter plug.



DUAL PORTS: STANDARD 2.4A USB and 3.0A USB-C® plus 3-PRONG AC OUTLETS

Image: The PowerDrive PWD400 inverter connected to a battery using the included battery clamp cables.

OPERATING INSTRUCTIONS

1. **Powering On:** After connecting the inverter to a 12V power source, press the power button on the inverter. The power indicator light should illuminate, indicating it is ready for use.
2. **Connecting AC Devices:** Plug your AC devices (up to 400 watts continuous power) into the two 3-prong AC outlets. Ensure the total wattage of all connected devices does not exceed 400 watts.
3. **Charging USB Devices:** Connect your USB-powered devices to the 2.4A USB port or the 3.0A USB-C port. These ports are ideal for charging smartphones, tablets, and other compatible electronics.
4. **Powering Off:** When finished, disconnect all devices from the inverter, then press the power button to turn off the inverter. Finally, disconnect the inverter from the 12V power source.

POWERDRIVE®



400W

POWER INVERTER ONDULATEUR


2 AC OUTLETS


1 USB-C® PORT
1 USB PORT


36" DC CABLE


36" CABLES


SHORT CIRCUIT,
TEMPERATURE, AND
OVERLOAD PROTECTION

Image: A detailed view of the PowerDrive PWD400's dual 3-prong AC outlets and the 2.4A USB and 3.0A USB-C ports.

MAINTENANCE

- **Cleaning:** Keep the inverter clean and free from dust and debris. Use a dry, soft cloth for cleaning. Do not use liquid cleaners.
- **Fuse Replacement:** The PWD400 features removable ATC fuses for easy replacement. If the inverter stops functioning due to an overload or short circuit, check and replace the fuses as needed. Refer to the specifications for the correct fuse type and rating.
- **Storage:** Store the inverter in a cool, dry place away from direct sunlight and moisture when not in use.

TROUBLESHOOTING

The PowerDrive PWD400 is equipped with built-in protection features to ensure safe operation. If you encounter issues, consider the following:

- **No Power Output:**
 - Ensure the inverter is securely connected to the 12V power source.
 - Check if the vehicle's 12V socket or battery terminals are clean and free of corrosion.
 - Verify that the power button on the inverter is pressed and the indicator light is on.
 - Check the removable ATC fuses. Replace if blown.
- **Overload Protection:**
 - If the inverter shuts down, it may be due to an overload. Disconnect the devices, reduce the total wattage, and restart the inverter. The inverter protects against exceeding its 400-watt continuous power rating.
- **Over-temperature Protection:**
 - If the inverter becomes too hot, it will shut down to prevent damage. Allow it to cool down in a well-ventilated area before restarting. Ensure proper ventilation around the inverter during operation.
- **Short Circuit Protection:**
 - The inverter is designed to protect against short circuits. If a short circuit occurs, the unit will shut down. Resolve the short circuit issue and restart the inverter.

SPECIFICATIONS

Feature	Specification
Model Name	PWD400
Continuous Power	400 Watts
Input Voltage	12V DC
Output Voltage	110V AC
AC Outlets	Two 3-prong outlets
USB Ports	One Standard 2.4A USB, One 3.0A USB-C
Cables Included	12-volt plug, 36-inch battery clamp cables
Protection Features	Short circuit, temperature, and overload protection
Item Weight	2.05 pounds

Product Dimensions	12 x 8 x 3 inches
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WARRANTY AND SUPPORT

This PowerDrive PWD400 Power Inverter comes with a 1-year limited warranty. For technical support, troubleshooting assistance, or warranty claims, please refer to the contact information provided with your product packaging or visit the official PowerDrive website.

For additional information and resources, you may visit the [PowerDrive Store on Amazon](#).