

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

› [PowerDrive](#) /

› [PowerDrive Plus PWD1500P 1500 Watt Power Inverter User Manual](#)

PowerDrive PWD1500P

PowerDrive Plus PWD1500P 1500 Watt Power Inverter User Manual

Model: PWD1500P

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your PowerDrive Plus PWD1500P 1500 Watt Power Inverter. This device converts 12V DC power from your vehicle's battery into 110V AC power, allowing you to operate various electronic devices and appliances on the go. Please read all instructions carefully before installation and use.

2. SAFETY INFORMATION

WARNING: Proposition 65

This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, visit www.P65Warnings.ca.gov.

- Always connect the inverter to a 12V DC power source. Do not connect to 24V or 48V systems.
- Ensure proper ventilation around the inverter. Do not block cooling vents.
- Keep the inverter away from water, moisture, and flammable materials.
- Do not open the inverter casing. There are no user-serviceable parts inside.
- Always disconnect the inverter from the power source before performing any maintenance or cleaning.
- Use appropriate wiring and fuses as specified in the installation instructions.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- PowerDrive Plus PWD1500P 1500 Watt Power Inverter
- 39-inch Battery Cables (Red and Black)
- Mounting Brackets
- Remote Control Cable (for detachable LCD screen)

4. PRODUCT FEATURES

- **1500 Watts Continuous Power:** Provides stable power for AC devices.
- **Dual USB Ports:** Includes one standard USB 2.4 Amp port and one fast-charging USB-C® 3.0 Amp port for mobile devices.
- **Four 3-Prong AC Outlets:** Converts 12V DC to 110V AC for various appliances.
- **Bluetooth® Wireless Technology:** Allows remote access to features and settings via the PowerDrive Plus app.
- **Digital Display:** Shows battery voltage, output power, and error codes.
- **Heavy-Duty 39-inch Installation Cables:** For direct connection to a vehicle battery.
- **Mounting Brackets:** Included for secure installation.
- **Removable LCD Screen:** Detaches for remote monitoring and testing.
- **High-Speed Cooling Fan:** Automatically activates when needed, designed for quiet operation.
- **LED Indicators:** Display power status and voltage.

5. SETUP AND INSTALLATION

5.1 Mounting the Inverter

The inverter should be mounted in a dry, well-ventilated area, away from direct sunlight and heat sources. Use the included mounting brackets to secure the inverter to a stable surface. Ensure there is sufficient space around the unit for airflow.



Image: Side view of the PowerDrive Plus PWD1500P inverter, highlighting the integrated mounting brackets for secure installation.

5.2 Connecting to the Vehicle Battery

Use the provided 39-inch heavy-duty cables for direct connection to your vehicle's 12V battery. Follow these steps:

1. Ensure the vehicle is turned off and the inverter is switched off.
2. Connect the **red** cable to the **positive (+)** terminal of the inverter and then to the **positive (+)** terminal of the battery.
3. Connect the **black** cable to the **negative (-)** terminal of the inverter and then to the **negative (-)** terminal of the battery.

4. Ensure all connections are tight and secure. Loose connections can cause overheating and damage.



Image: The PowerDrive Plus PWD1500P inverter shown with the red and black battery cables properly connected to its terminals.



Image: Rear view of the inverter, displaying the robust battery connection terminals and the dual cooling fans.

6. OPERATING INSTRUCTIONS

6.1 Powering On/Off

Once connected to the battery, press the power button on the inverter's front panel to turn it on. The digital display will illuminate, and the LED indicators will show power status. Press the button again to turn off the inverter.



Image: Angled view of the PowerDrive Plus PWD1500P inverter, highlighting the front control panel with its digital display and power button.

6.2 Connecting Devices

Plug your AC-powered devices into the 3-prong AC outlets. For USB-powered devices, use the standard USB-A or USB-C® ports. Ensure the total wattage of connected devices does not exceed the inverter's continuous power rating of 1500 watts.



Image: Close-up of the inverter's front panel, clearly showing the four AC outlets, one USB-A port, and one USB-C port.

7. BLUETOOTH APP CONNECTION

The PowerDrive Plus PWD1500P inverter features Bluetooth® wireless technology, allowing you to monitor and control it remotely using the free PowerDrive Plus app on your Android® or iOS smartphone.

1. Download the "PowerDrive Plus" app from your device's app store.
2. Ensure Bluetooth is enabled on your smartphone.
3. Open the app and follow the on-screen instructions to pair with your inverter.
4. Once connected, you can monitor battery voltage, output power, product temperature, and set protection parameters like under-voltage and overload warnings. You can also power the inverter on and off via the app.

8. UNDERSTANDING THE DISPLAY AND INDICATORS

The digital display on the inverter provides real-time information about its operation. It can show:

- **Battery Voltage:** The current voltage of your vehicle's battery.
- **Output Power (Watts):** The amount of power being drawn by connected devices.
- **Error Codes:** Specific codes indicating issues such as overload, low voltage, or overheating. Refer to the troubleshooting section for code explanations.

LED lights indicate the power status and voltage levels, providing a quick visual reference.

9. TROUBLESHOOTING

If you encounter issues with your PowerDrive Plus PWD1500P inverter, refer to the following common problems and solutions:

| Problem | Possible Cause | Solution |
|-----------------|--|---|
| No power output | Inverter off, loose battery connections, low battery voltage, blown fuse | Ensure inverter is on. Check battery cable connections. Recharge vehicle battery. Check vehicle's fuse box for blown fuses. |

| Problem | Possible Cause | Solution |
|------------------------------|---|---|
| Overload warning/shutdown | Total wattage of connected devices exceeds 1500W | Disconnect some devices. Reduce the load to below 1500W. |
| Low voltage warning/shutdown | Vehicle battery voltage is too low | Start vehicle engine to recharge battery. Disconnect inverter if not in use. |
| Overheating warning/shutdown | Poor ventilation, blocked cooling fan, excessive load | Ensure inverter is in a well-ventilated area. Clear any obstructions from cooling vents. Reduce load. |

10. SPECIFICATIONS

| Specification | Value |
|--------------------|------------------------------------|
| Brand | PowerDrive |
| Model Number | PWD1500P |
| Continuous Wattage | 1500 watts |
| Surge Wattage | 3000 watts |
| Input Voltage | 12V DC |
| Output Voltage | 110 Volts AC |
| AC Outlets | 4 x 3-prong AC outlets |
| USB Ports | 1 x USB-A (2.4A), 1 x USB-C (3.0A) |
| Item Weight | 8.4 pounds |
| Product Dimensions | 5.8 x 14.4 x 10.8 inches |
| Cable Length | 39 inches (battery cables) |

11. MAINTENANCE

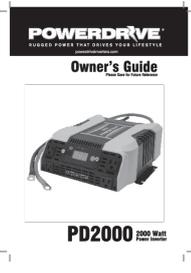
To ensure optimal performance and longevity of your inverter:

- Regularly check battery cable connections for tightness.
- Keep the inverter's exterior clean with a dry cloth. Do not use liquid cleaners.
- Ensure cooling vents are free from dust and debris to maintain proper airflow.
- Store the inverter in a cool, dry place when not in use.

12. WARRANTY AND SUPPORT

The PowerDrive Plus PWD1500P 1500 Watt Power Inverter comes with a **1-Year Limited Warranty**. For warranty details, product support, or technical assistance, please refer to the contact information provided with your purchase documentation or visit the official PowerDrive website.

Related Documents - PWD1500P

| | |
|---|---|
|  | <p>PowerDrive PWD1500P 1500W Power Inverter Owner's Guide</p> <p>This owner's guide provides essential safety instructions, features, operating procedures, troubleshooting tips, and specifications for the PowerDrive PWD1500P 1500W Power Inverter.</p> |
|  | <p>PowerDrive PD2000 2000 Watt Power Inverter Owner's Guide</p> <p>Comprehensive owner's guide for the PowerDrive PD2000 2000 Watt Power Inverter, covering installation, operation, troubleshooting, specifications, and warranty information.</p> |
|  | <p>PowerDrive PDI175S 175 Watt Power Inverter User Guide</p> <p>Comprehensive user guide for the PowerDrive PDI175S 175 Watt Power Inverter, covering safety instructions, operating tips, troubleshooting, and specifications.</p> |
|  | <p>PowerDrive PWD100D 100-Watt Power Inverter User Guide</p> <p>Safety instructions, operating guidelines, and tips for the PowerDrive PWD100D 100-Watt Power Inverter. Learn how to safely connect and use the inverter with your vehicle's 12V DC port.</p> |
|  | <p>PowerDrive PWD120S 120W Power Strip Inverter: Owner's Guide and Safety Information</p> <p>Comprehensive guide for the PowerDrive PWD120S 120W Power Strip Inverter, covering safety rules, operating tips, troubleshooting, and specifications. Learn how to safely use your DC to AC power converter.</p> |
|  | <p>PowerDrive Inverter Owner's Guide: PD1000, PD1500, PD2000, PD3000</p> <p>Comprehensive owner's guide for PowerDrive PD1000, PD1500, PD2000, and PD3000 inverters. Covers installation, operation, app connectivity, troubleshooting, specifications, and warranty information.</p> |