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## Power Watchdog PWD30W

# Hughes Power Watchdog PWD30W Smart RV Portable Surge Protector 30 Amp User Manual

Model: PWD30W | Brand: Power Watchdog

## INTRODUCTION

The Power Watchdog PWD30W is an advanced smart RV portable surge protector designed to safeguard your recreational vehicle's electrical system from damaging power surges and voltage fluctuations. Featuring patented Bluetooth and Wi-Fi connectivity, it allows real-time monitoring of voltage, amperage, and wattage directly from your mobile device. Its robust, IP65 water-resistant construction ensures durability in various outdoor conditions, while the innovative replaceable surge module offers a cost-effective solution for long-term protection.

## SAFETY INFORMATION

Please read and understand all safety instructions before operating the Power Watchdog PWD30W. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Always ensure the RV power pedestal breaker is in the **OFF** position before connecting or disconnecting the surge protector.
- Inspect the surge protector and your RV's power cord for any signs of damage (frayed wires, cracked casing) before each use. Do not use if damaged.
- Do not immerse the unit in water. While it is water-resistant, it is not designed for submersion.
- Ensure proper grounding of both the RV and the power source. The Power Watchdog will indicate grounding issues.
- Do not attempt to open or repair the unit yourself, except for replacing the surge module as instructed in the maintenance section.
- Keep children and pets away from the unit during operation.

## PRODUCT OVERVIEW







Image: The Power Watchdog PWD30W Smart RV Portable Surge Protector, showing its robust design and open protective cover.

## Key Features

- **Enhanced Safety Alerts:** Receive timely wireless fault alerts to protect your camper from unexpected power anomalies.
- **Stay Connected Anywhere:** Wi-Fi enabled monitoring keeps you informed of your camper essentials with voltage meter data anytime, anywhere.
- **Replaceable Surge Module:** Save time and money by simply swapping out the surge module after a spike, eliminating the need to replace the entire unit.
- **Unmatched Weather Resistance:** Built with IP65 water-resistant heavy-duty construction, resilient against harsh weather conditions.
- **Convenience of Compatibility:** Seamlessly connects with dogbone adapters for effortless integration with your existing RV setup.

## SETUP

### Physical Installation

1. Ensure the RV power pedestal breaker is in the **OFF** position.
2. Connect the Power Watchdog PWD30W to the 30 Amp RV power pedestal outlet. Ensure a secure and snug connection.
3. Connect your RV's 30 Amp power cord to the Power Watchdog PWD30W's receptacle.
4. Turn the RV power pedestal breaker to the **ON** position.
5. Observe the LED display on the Power Watchdog for initial diagnostic codes. A solid green light indicates a safe connection.

### App Installation and Connection



Image: Product packaging highlighting the mobile app interface for monitoring and control.

1. Download the official "Power Watchdog" app from your mobile device's app store. You can find it on the [Apple App Store](#) or [Google Play Store](#).
2. Enable Bluetooth on your mobile device.

3. Open the Power Watchdog app and follow the on-screen instructions to connect to your PWD30W unit. The app will guide you through the pairing process.
4. For Wi-Fi monitoring, configure the Wi-Fi connection within the app. This allows for remote monitoring when you are away from your RV.

## OPERATING INSTRUCTIONS

### Monitoring Power

The Power Watchdog PWD30W continuously monitors the incoming power to your RV. You can access detailed real-time data and historical usage through the mobile app.

- **Voltage:** Monitor the incoming voltage to ensure it is within safe operating limits for your RV's appliances.
- **Amperage:** Track the current draw of your RV to prevent overloading the circuit.
- **Wattage:** View the total power consumption of your RV.
- **Kilowatt-hours (kWh):** The app also tracks accumulated kWh usage, useful for managing power consumption at campgrounds that charge by usage.

### LED Indicators

The Power Watchdog unit features an LED display that provides immediate diagnostic codes. These codes indicate the status of the power connection and any detected faults. Refer to the Power Watchdog app or the comprehensive online manual for a complete list of codes and their meanings.

### Wireless Fault Alerts

The mobile app will send push notifications to your device if any power anomalies or faults are detected. These alerts include, but are not limited to, open ground, open neutral, high/low voltage, and surge module compromise. This feature ensures you are immediately aware of potential issues, even when not physically present at your RV.

## MAINTENANCE

### General Care

- Keep the unit clean and free from dirt, dust, and debris. Wipe the exterior with a damp cloth as needed.
- Ensure the protective cover for the receptacle is securely closed when not in use or during adverse weather conditions.
- Store the Power Watchdog in a dry, cool place when not in use for extended periods.

### Surge Module Replacement





Image: The Power Watchdog PWD30W Smart RV Portable Surge Protector with its protective cover closed, ready for use.

A unique feature of the Power Watchdog PWD30W is its replaceable surge module. If the unit experiences a significant power surge that compromises its protection capabilities, the module can be replaced without needing to purchase an entirely new unit.

- Indication of Compromise:** The LED display on the unit will show a specific "E" code (e.g., E0, E1, E9) and the mobile app will send an alert indicating that the surge module has been compromised.
- Obtaining a Replacement:** Contact Power Watchdog customer support or visit their official website to order a replacement surge module.
- Replacement Process:** Detailed instructions for replacing the module will be provided with the replacement part. Generally, it involves safely disconnecting the unit, opening the housing, and swapping out the module. Always ensure power is disconnected before attempting replacement.

## TROUBLESHOOTING

If you encounter issues with your Power Watchdog PWD30W, refer to the table below for common problems and their solutions.

Issue	Possible Cause	Solution
No power to RV	Pedestal breaker off, loose connection, internal fault	Check pedestal breaker. Ensure Power Watchdog is securely plugged into pedestal and RV cord is secure. Check Power Watchdog LED display for fault codes.
Incorrect readings in app	Weak Bluetooth/Wi-Fi signal, app glitch	Ensure strong Bluetooth/Wi-Fi connection. Restart the app. Try unplugging and replugging the Power Watchdog unit.
"E" code on LED display	Compromised surge module	The surge module has absorbed a significant surge. Contact Power Watchdog support for a replacement module.
Unit is excessively hot	Heavy electrical load, internal issue	Some warmth is normal under load. If excessively hot, or if there's a burning smell, immediately disconnect power and contact support.

If the issue persists after attempting these solutions, please contact Power Watchdog customer support for further assistance.

## SPECIFICATIONS

Feature	Detail
Model Number	PWD30W
AC Adapter Current	30 Amps
Voltage	120.0 V
Total Power Outlets	1

Feature	Detail
Special Feature	Surge Protection, Bluetooth, Wi-Fi, Replaceable Surge Module, IP65 Water-Resistant
Item Weight	3.99 pounds
Package Dimensions	20.25 x 8.75 x 4.75 inches

## WARRANTY

The Power Watchdog PWD30W Smart RV Portable Surge Protector is backed by a **limited lifetime warranty**. This warranty covers defects in materials and workmanship under normal use. For specific terms, conditions, and details on how to make a warranty claim, please refer to the official Power Watchdog website or contact their customer support.

## SUPPORT

For further assistance, technical support, or to purchase replacement parts like the surge module, please visit the official Power Watchdog store or contact their customer service team.

**Power Watchdog Store:** [Visit the Power Watchdog Store on Amazon](#)