Manuals+
Q & A | Deep Search | Upload

Goal Zero Yeti PRO 4000

Goal Zero Yeti PRO 4000 Portable Power Station User Manual

Model: Yeti PRO 4000 (37500)

Product Overview

The Goal Zero Yeti PRO 4000 Portable Power Station is a robust and versatile power solution designed for home backup, off-grid living, RVs, vans, and various outdoor applications. It features a 4000 Watt-Hour LiFePO4 battery, providing 3600W continuous power output and 7200W surge capability, capable of running most home appliances.

Key features include:

- **Best in Class Power Output:** Next-gen efficient inverter technology with 3600W power out and 7200W surge capabilities.
- **Class-Leading Lifespan:** Upgraded Lithium Iron Phosphate battery (LFP) technology provides 4000+ cycles, up to 10 years of daily use, and retains charge for 12-18 months in storage.
- **Exceptional Build Quality:** Rated for outdoor use, meets Military-Standard 801H certification for vibration, dust, water, and extreme temperatures. UL2743 listed, FCC class B safety certification, and BMS with over 100 safety checkpoints per minute.
- **Superior Fast Charging:** 1,800W AC power input charges 0% to 80% in 2 hours; 3,000W solar input charges 0% to 80% in under 90 minutes.
- **Easy Expansion and Integration:** Expandable with up to 4 Tank PRO 4000 expansion batteries (up to 20 kWh) and compatible with solar panels for a complete solar generator system. Designed for vehicle integration and home circuit backup (up to 10 circuits with Haven PRO, not included).

Figure 1: Goal Zero Yeti PRO 4000 Portable Power Station, front view.

Setup and Initial Use

Unpacking and Inspection

Carefully remove the Yeti PRO 4000 from its packaging. Inspect the unit for any signs of damage during transit. Ensure all included accessories are present. The unit comes with a mobile cart for easy transport.

Figure 2: Integrated cart for easy transport of the Yeti PRO 4000.

Initial Charging

Before first use, fully charge the Yeti PRO 4000. It can be charged via AC wall outlet or solar panels.

- **AC Charging:** Connect the power station to a standard 120V AC wall outlet using the provided AC charging cable. The unit supports 1,800W AC input, charging from 0% to 80% in approximately 2 hours.
- **Solar Charging:** Connect compatible solar panels (sold separately) to the power station. The unit supports up to 3,000W solar input, charging from 0% to 80% in under 90 minutes under optimal sunlight conditions.

Figure 3: Fast AC Charging via wall outlet.

Figure 4: Fast Solar Charging with compatible solar panels.

Operating Instructions

Front and Back Interfaces

Familiarize yourself with the various input and output ports on the Yeti PRO 4000.

Figure 5: Front Interface of Yeti PRO 4000.

Figure 6: Back Interface of Yeti PRO 4000.

Connecting Devices

To power a device, simply plug it into the appropriate port on the Yeti PRO 4000. Ensure the device's power requirements do not exceed the station's output capacity (3600W continuous, 7200W surge).

App Control

The Yeti PRO 4000 is app-enabled for convenient control and monitoring from your smartphone. Download the Goal Zero App from Google Play or the App Store to access features such as power input/output monitoring, battery level, time to charge/empty, and battery profile settings.

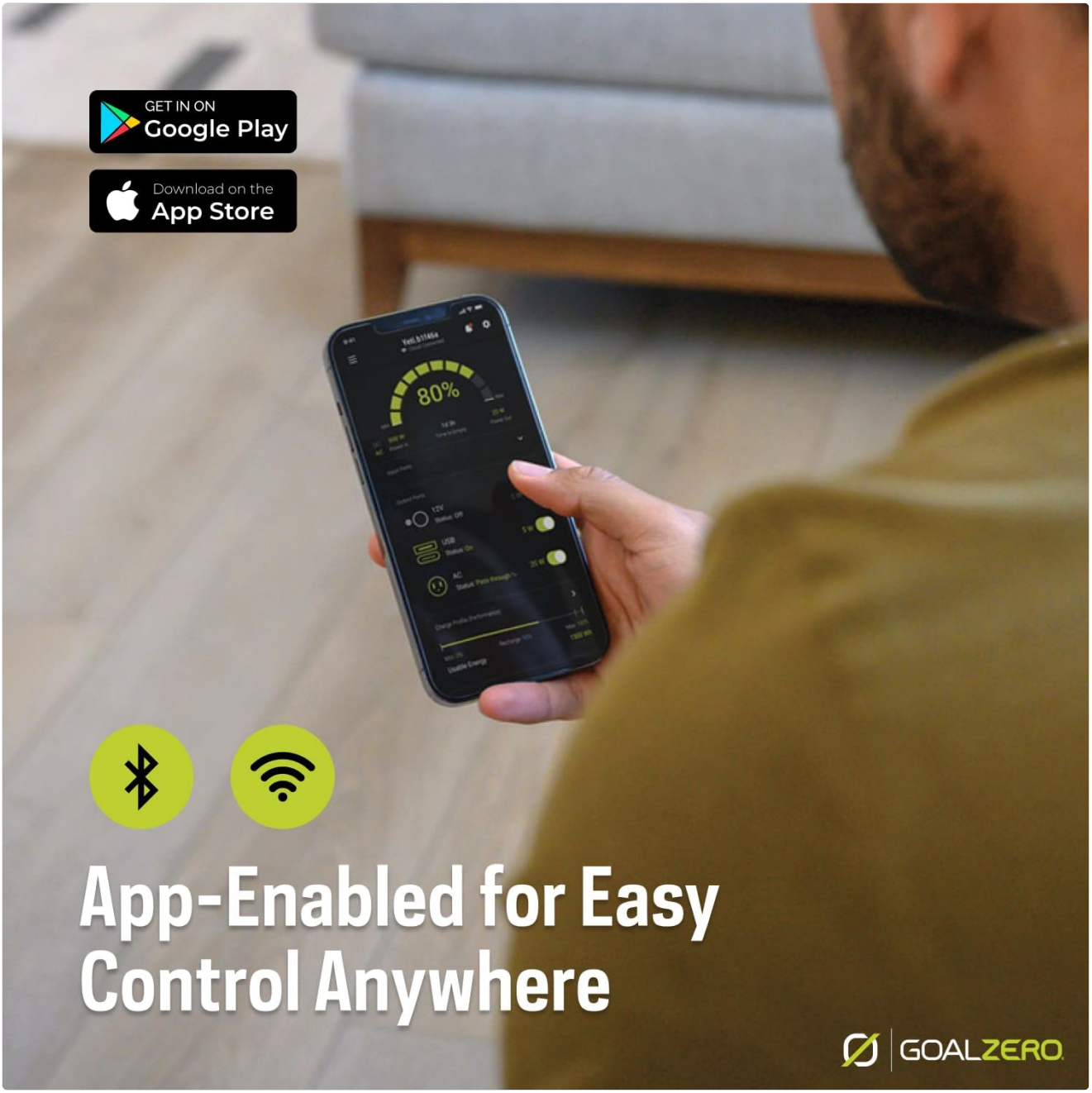

Figure 7: App-Enabled for Easy Control Anywhere.

Home Integration (Haven Ecosystem)

For home backup, the Yeti PRO 4000 can be integrated with the Haven 10 Transfer Switch (not included). This allows you to power up to 10 essential circuits in your home during a power outage. The system automatically switches to battery power without interruption when grid power is lost.

Your browser does not support the video tag.

Video 1: Goal Zero Haven Ecosystem Yeti PRO 4000 Animation. This video demonstrates how the Yeti PRO 4000 integrates with the Haven ecosystem for home backup power, showing automatic power switching and powering essential home circuits.

Maintenance

The Yeti PRO 4000 features a durable LiFePO4 battery designed for long-term use. To ensure optimal performance and longevity:

- **Storage:** For long-term storage (12-18 months), ensure the battery is charged to at least 50%. Store in a cool, dry place away from direct sunlight and extreme temperatures.
- **Cleaning:** Use a dry, soft cloth to clean the exterior of the unit. Do not use abrasive cleaners or immerse the unit in water.
- **Regular Use:** For best battery health, it is recommended to use and recharge the unit periodically, even if not needed for backup.

Figure 8: The Yeti PRO 4000 features a LiFePO4 battery with a 10+ year lifespan.

Troubleshooting

If you encounter issues with your Yeti PRO 4000, consider the following common solutions:

- **Unit Not Turning On:** Ensure the unit is sufficiently charged. If the battery is completely depleted, it may require a few minutes of charging before it can power on.

- **No Output Power:** Check that the specific output ports (AC, USB, 12V) are enabled on the unit's display. Verify that the connected device is functioning correctly and its power draw does not exceed the Yeti's capacity.
- **Charging Issues:** Ensure charging cables are securely connected. For solar charging, verify panels are clean and receiving adequate sunlight. Check for any error codes on the display.
- **Battery Fault Warning:** If a "Battery fault" warning appears, disconnect all loads and charging sources. Allow the unit to rest for a few minutes, then attempt to restart. If the issue persists, contact customer support.
- **App Connectivity:** Ensure Bluetooth and Wi-Fi are enabled on your device and the Yeti. Try restarting both the app and the power station.

For persistent issues or advanced troubleshooting, refer to the official Goal Zero support resources or contact customer service.

Specifications

Feature	Detail
Brand	Goal Zero
Model Name	Yeti PRO 4000
Item Model Number	37500
Wattage	4000 Watt-hours (LiFePO4 Battery)
Output Wattage	3600 Watts (Continuous), 7200 Watts (Surge)
Voltage	120 Volts
Frequency	60 Hz
Item Weight	138 Pounds
Product Dimensions	21.4"L x 13.8"W x 18.1"H
Material	Aluminum
Battery Cell Type	Lithium-Phosphate (LiFePO4)
Battery Capacity	1248 Amp Hours
Country of Origin	USA

Figure 9: Product Dimensions.

Warranty and Support

Warranty Information

The Goal Zero Yeti PRO 4000 Portable Power Station comes with a **5-year manufacturer warranty**. Please retain your proof of purchase for warranty claims.

Customer Support

For any questions, technical assistance, or warranty inquiries, please contact Goal Zero Customer Support. Contact information can typically be found on the official Goal Zero website or through your retailer.

You can also visit the Goal Zero Store on Amazon for additional resources and support.

© 2024 Goal Zero. All rights reserved.