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UGREEN PB770

UGREEN 300W 48,000mAh Portable Charger Power Bank User Manual

Model: PB770

1. PRODUCT OVERVIEW

The UGREEN 300W 48,000mAh Portable Charger Power Bank (Model PB770) is a high-capacity power solution designed for charging multiple devices simultaneously. It features a smart digital display, integrated lighting with SOS mode, and supports PD3.1 140W bidirectional charging, making it suitable for outdoor camping, home backup, and powering laptops and other electronic devices.



Figure 1: UGREEN 300W 48,000mAh Portable Charger Power Bank (Model PB770)

2. PACKAGE CONTENTS

Please check the package contents upon unboxing:

- UGREEN 300W 48,000mAh Power Bank (3 USB-C, 2 USB-A ports)
- 1 x 6A 240W USB-C to USB-C charger cable
- User Manual

Note: Wall charger and USB-A to USB-C cable are not included. OUT1 & OUT2 ports are not suitable for charging low-current devices. Remove USB-C to Lightning cable immediately after use.

3. KEY FEATURES

- **Fast Charging, Up to 300W:** Maximum total output of 300W, with PD3.1 140W bidirectional charging.
- **High Capacity:** Massive 48,000mAh (153Wh) capacity provides extended power for multiple devices.
- **Long-lasting LiFePO4 Batteries:** Automotive-grade, high energy-density Lifepo4 batteries offer improved safety and a longer lifespan (over 3,000 cycles with >80% capacity retention).
- **Smart Digital Display:** Clear display shows remaining battery, input wattage, and output wattage.
- **Integrated LED Light:** Features 3 modes: high light, low light, and SOS mode for various environments and emergencies.
- **Portable Design:** Lightweight and compact with a convenient carrying handle and non-slip mat.
- **Multiple Safety Protections:** Includes over-voltage, over-current, over-charge, over-discharge, high-temperature, and short-circuit protection.



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3000W



Power Up
300W Output

OUT 1



22.5W Max

OUT 2



22.5W Max

IN/OUT 3



140W Max

OUT 4



100W Max

OUT 5



100W Max

Figure 2: 300W Max Output Capability

48,000 mAh Super High Capacity



Enough power for a weekend getaway

9.6

Charges

iPhone 15 Pro

5.2

Charges

Samsung S24 Ultra

2.0

Charges

MacBook Air M2 15"

Figure 3: 48,000mAh Super High Capacity

6X Long-lasting With LiFePO4 Batteries

Cycle charging life increased by 600%!

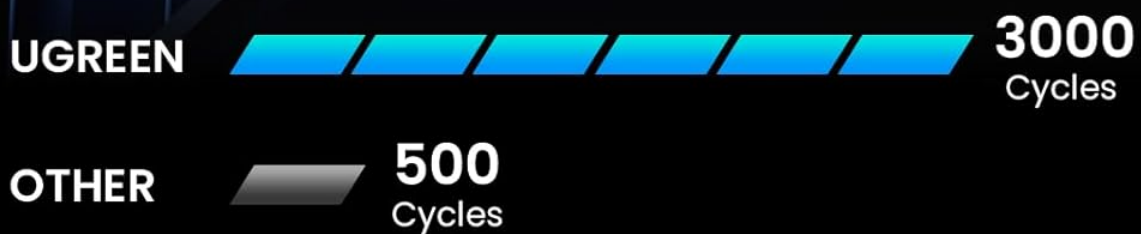


Figure 4: 6X Long-lasting with LiFePO4 Batteries

PD3.1 140W Two-way Fast Charging

140W
Recharge



200W
Max Output

Figure 5: PD3.1 140W Two-way Fast Charging

Multiple Safety Protection



Over-Voltage
Protection



Over-Current
Protection



Over-Charge
Protection



Over-Discharge
Protection



High-Temperature
Protection



Short-Circuit
Protection

Figure 6: Multiple Safety Protection Features

4. PRODUCT LAYOUT

The UGREEN Power Bank features a user-friendly design with clearly labeled ports and a smart digital display for easy monitoring.



Figure 7: Front View of the Power Bank

Smart Digital Display: Shows battery percentage, input wattage, and output wattage.

USB-C Ports (3): For high-speed charging and recharging.

USB-A Ports (2): For charging various USB-A compatible devices.

Power Button: Activates the device and controls the LED light.

Integrated LED Light: Located on the side, offering multiple brightness and SOS modes.

Carrying Handle: For easy portability.

5. SETUP

1. **Initial Charge:** Before first use, fully charge the power bank using a PD3.1 140W compatible wall charger (not included) and the provided USB-C to USB-C cable. A full charge takes approximately 1.5 hours.
2. **Power On:** Press the power button once to activate the power bank and view the digital display.

6. OPERATING INSTRUCTIONS

6.1 Charging Devices

Connect your devices to the available USB-C or USB-A output ports using appropriate charging cables. The power bank can charge up to 5 devices simultaneously. The digital display will show the total output wattage.

- **USB-C Ports:** Ideal for fast charging laptops, tablets, and smartphones.
- **USB-A Ports:** Suitable for charging various USB-A compatible devices.

Your browser does not support the video tag.

Video 1: Demonstrates the UGREEN power bank charging multiple devices simultaneously, including a laptop and tablet, highlighting its versatility and the smart digital display.

6.2 Recharging the Power Bank

To recharge the power bank, connect it to a power source using the provided USB-C to USB-C cable and a compatible wall charger. The digital display will show the input wattage and battery charging status.

6.3 LED Light Functionality

The integrated LED light offers three modes for different situations:

- **Low Light Mode:** Single-click the power button to activate. Ideal for ambient lighting.
- **High Light Mode:** Click the power button again to switch to high brightness. Provides stronger illumination.
- **SOS Mode:** Click the power button a third time to activate SOS flashing mode. Useful for emergencies.
- **Turn Off:** Click the power button a fourth time to turn off the LED light.



Figure 8: Power Bank LED Light in use

7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the surface of the power bank. Avoid using harsh chemicals or abrasive materials.

- **Storage:** Store the power bank in a cool, dry place away from direct sunlight, extreme temperatures, and humidity.
- **Battery Care:** For optimal battery life, fully charge the power bank at least once every three months if not in regular use.
- **Avoid Drops:** Do not drop or subject the power bank to strong impacts.

8. TROUBLESHOOTING

If you encounter issues with your UGREEN Power Bank, please refer to the following common troubleshooting steps:

- **Power Bank Not Charging:**
 - Ensure the charging cable is securely connected to both the power bank and the wall charger.
 - Verify that the wall charger is functioning correctly and is compatible with PD3.1 140W input.
 - Try a different USB-C cable or wall charger.
- **Devices Not Charging or Charging Slowly:**
 - Check if the power bank has sufficient charge.
 - Ensure the charging cable for your device is not damaged and is properly connected.
 - Some devices, especially low-current ones, may not be compatible with OUT1 & OUT2 ports. Try other ports.
 - Verify that your device supports the power output of the connected port.
- **Digital Display Not Working:**
 - Press the power button to activate the display.
 - If the issue persists, the unit may require service.
- **Overheating:**
 - Disconnect all devices and allow the power bank to cool down.
 - Ensure proper ventilation and avoid placing the power bank in enclosed spaces while in use or charging.
 - If overheating is frequent, discontinue use and contact support.

For further assistance, please refer to the official UGREEN support channels.

9. SPECIFICATIONS

Feature	Detail
Product Dimensions	5.71 x 6.31 x 3.03 inches
Item Weight	3.97 pounds
Model Number	PB770
Battery Capacity	48,000mAh (153Wh)
Battery Type	Lithium Polymer (LiFePO4)
Max Total Output	300W
Max Input (Recharge)	PD3.1 140W
Ports	3 x USB-C, 2 x USB-A
Special Features	Portable Handle, LED Light (High, Low, SOS modes), Smart Digital Display
Color	Grey
Manufacturer	Ugreen Group Limited

10. WARRANTY AND SUPPORT

UGREEN products come with a standard manufacturer's warranty. For detailed warranty information, product support, or technical assistance, please visit the official UGREEN website or contact their customer service directly. Keep your purchase receipt for warranty claims.

UGREEN Official Website: www.ugreen.com

