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› UGREEN PowerRoam 600 Portable Power Station User Manual

UGREEN GS600

UGREEN PowerRoam 600 Portable Power Station User Manual

Model: GS600

INTRODUCTION

Thank you for choosing the UGREEN PowerRoam 600 Portable Power Station. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your device. Please read this manual thoroughly before use and retain it for future reference.

PRODUCT OVERVIEW

The UGREEN PowerRoam 600 is a versatile portable power station designed for emergency backup, outdoor camping, and RV use. It features a LiFePO4 battery, multiple output ports, and fast charging capabilities.



Figure 1: Front view of the UGREEN PowerRoam 600, showing the display, control knob, and various input/output ports.

Power Appliances Up to **1500W**

With **U-Turbo** Technology



Microwave



Drone



Mini Refrigerator



Laptop

Figure 2: The UGREEN PowerRoam 600 connected to a microwave and a kettle, demonstrating its ability to power high-wattage appliances up to 1500W using U-Turbo technology.

Charge **12** Devices At Once



Figure 3: Detailed view of the UGREEN PowerRoam 600 highlighting its 12 ports: 2 USB-C (100W each), 2 USB-A (22.5W each), 3 Car/DC Outlets (120W total), and 5 AC Outlets (600W total).

SETUP

Unpacking and Inspection

Carefully remove the power station and all accessories from the packaging. Inspect the unit for any signs of damage. If any damage is found, do not use the product and contact customer support immediately.

Initial Charging

Before first use, it is recommended to fully charge the PowerRoam 600. Connect the power station to a standard AC wall outlet using the provided charging cable. The display will indicate the charging status. The unit can charge from 0% to 80% in approximately 50 minutes and fully charge in 1.5 hours using AC input.

Recharge to **80%**
in Just **50 Mins**



Figure 4: The UGREEN PowerRoam 600 being recharged from a standard wall outlet, demonstrating its fast charging capability.

App Connection (Optional)

For enhanced control and monitoring, download the Ugreen App from your device's app store. The app allows you to control various functions such as Quiet Mode, Energy-Saving Mode, and Safety Child Lock via Wi-Fi or Bluetooth.

Smart APP Control



Figure 5: A smartphone displaying the Ugreen app interface, showing remote control and monitoring capabilities for the PowerRoam 600 via Wi-Fi and Bluetooth.

OPERATING INSTRUCTIONS

Turning On/Off

Press and hold the main power button to turn the unit on or off. The LED display will illuminate upon activation.

Using AC Outlets

To use the AC outlets, ensure the AC output function is enabled (usually via a dedicated button or the app). Plug your devices into the AC ports. The PowerRoam 600 can support appliances up to 1500W with U-Turbo technology.

Using USB and DC Ports

The USB-C, USB-A, and DC5521 ports are typically active when the unit is on. Simply plug in your compatible devices. The USB-C ports offer up to 100W output each, suitable for charging laptops and other high-power USB-C devices.

2*100W USB-C Charging

100W ports fast charge two 16" MacBook Pros simultaneously



Figure 6: The UGREEN PowerRoam 600 simultaneously charging two 16-inch MacBook Pros using its dual 100W USB-C ports.

Solar Charging

Connect compatible solar panels (not included) to the solar input port. The power station can be recharged in as fast as 4 hours with up to 200W solar input.



Figure 7: The UGREEN PowerRoam 600 shown alongside UGREEN solar panels, illustrating its solar charging capability for off-grid power.

Car Charging

The PowerRoam 600 can be recharged using a 12V/24V car outlet. Connect the appropriate car charger cable (if included or purchased separately) to the car charging port on the unit.



Figure 8: The UGREEN PowerRoam 600 positioned in a car, demonstrating its ability to be recharged via a 12V/24V car charging port while on the go.

MAINTENANCE

Cleaning

Wipe the exterior of the power station with a soft, dry cloth. Do not use abrasive cleaners or solvents. Ensure all ports are free of dust and debris.

Storage

Store the unit in a cool, dry place away from direct sunlight and extreme temperatures. For long-term storage, it is recommended to discharge the battery to about 50% and recharge it every 3-6 months to maintain battery health.

Battery Life

The PowerRoam 600 uses advanced LiFePO4 EV batteries, which offer a 10-year service life and over 3000 charge cycles, providing 6 times longer lifespan compared to traditional lithium-ion batteries.



Figure 9: An illustrative diagram highlighting the 10-year service life of the PowerRoam 600's LiFePO4 batteries, emphasizing 3000+ cycles and 6X longer lifespan.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit does not turn on	Battery is completely discharged.	Connect to AC power and charge for at least 10 minutes before attempting to turn on.
AC output not working	AC output function is not enabled. / Overload protection activated.	Ensure AC output is turned on. Reduce connected load; if overloaded, disconnect devices and restart the unit.
App connection issues	Bluetooth/Wi-Fi off. / App not updated.	Ensure Bluetooth/Wi-Fi is enabled on your phone and the power station. Update the Ugreen App to the latest version.
Unit drains quickly (as per a review)	Continuous on function resetting via app.	If using for critical loads like sump pumps, activate the continuous on function manually on the unit rather than solely relying on the app, especially if internet connection is unstable.

SPECIFICATIONS

- **Model:** GS600
- **Brand:** UGREEN
- **Battery Type:** LiFePO4 EV Battery
- **Capacity:** 680Wh
- **AC Output:** Up to 600W (1500W with U-Turbo Technology)
- **USB-C Output:** 2 x 100W
- **USB-A Output:** 2 x 22.5W
- **DC5521 Ports:** 2
- **Car Outlet:** 1

- **AC Input:** Fast charge 0-80% in 50 mins, full in 1.5 hours
- **Solar Input:** Up to 200W (full in 4 hours)
- **Dimensions:** 23.88 x 30.99 x 19.05 cm
- **Material:** Metal
- **Color:** Green
- **Special Features:** Portable, LED Display, App Control (Quiet Mode, Energy-Saving Mode, Safety Child Lock)

The image displays the UGREEN PowerRoam 600 power station against a dark background with a horizon line. The device is a rugged, rectangular unit with a carrying handle on top and a control panel on the front. The control panel features a digital display showing '100%' and various icons for power and connectivity. Below the main image are four feature highlights in dark panels:

- LiFePO4 & BMS:** Accompanied by an icon of a battery pack, indicating the use of Lithium Iron Phosphate cells and a Battery Management System.
- Drop-proof Structure:** Accompanied by an icon of the device being dropped, highlighting its rugged design.
- Self-Diagnostics:** Accompanied by a smartphone screen showing an 'Intelligent Self-Test' interface with a circular progress indicator.
- Child Safety Lock:** Accompanied by a smartphone screen showing the 'Settings' menu with the 'Child Safety Lock' toggle switch turned on.

Figure 10: The UGREEN PowerRoam 600 with its dimensions clearly marked: 30.99cm length, 19.05cm width, and 23.88cm height.

WARRANTY AND SUPPORT

The UGREEN PowerRoam 600 comes with a **5-year warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

For warranty claims, technical support, or any inquiries, please contact UGREEN customer service. You can typically find contact information on the official UGREEN website or through the retailer where you purchased the product.

Seller Information: UGREEN GROUP LIMITED

For further assistance, visit the [UGREEN Store on Amazon](#).



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