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DenGaWa R200

DenGaWa Portable Power Station User Manual

Model: R200

1. INTRODUCTION

Thank you for choosing the DenGaWa Portable Power Station. This device is a high-capacity lithium-ion battery pack designed to provide reliable power for various electronic devices. It is ideal for outdoor activities, emergency power outages, and general home use, ensuring you have power when and where you need it.

This manual provides essential information on the safe operation, setup, maintenance, and troubleshooting of your power station. Please read it thoroughly before use and retain it for future reference.



Figure 1: DenGaWa Portable Power Station (Model R200) - A black and orange portable power station with a handle, featuring multiple ports and a digital display.

2. WHAT'S IN THE BOX

Upon unpacking, please ensure all items listed below are present and in good condition:

- 1x DenGaWa 250Wh Portable Power Station
- 1x AC Adapter (for wall charging)
- 1x Car Charging Cable
- 1x User Manual
- 1x Bag (for accessories)

3. PRODUCT OVERVIEW

Familiarize yourself with the various components and interfaces of your DenGaWa Portable Power Station.

3.1. Control Panel and Indicators



Figure 2: Front Control Panel - A close-up view of the power station's control panel, showing the digital display with battery and output indicators, and buttons for AC, DC, and Light functions.

The central display provides real-time information on battery level, output status, and warning indicators. Buttons for AC, DC, and Light control are clearly labeled.

3.2. Output Ports

The power station offers multiple output options to charge various devices simultaneously.



Figure 3: Available Output Ports - An illustration showing the power station connected to a laptop and a smartphone, highlighting the various output ports including AC outlets, DC port, USB-A ports, and a QC3.0 port.

- **AC Outlets (x2):** 110V, 250W total (500W peak). Suitable for laptops, small appliances, etc.
- **DC Output Port (x1):** 12V/10A max.
- **USB Output Ports (x3):** 5V/3A total.
- **USB QC 3.0 Port (x1):** 5V/3A, 9V/2A. For fast charging compatible devices.
- **Cigarette Lighter Port (x1):** For 12V car accessories.

This versatile array of ports allows for powering up to 7 devices concurrently, making it a comprehensive solution for your power needs.

3.3. Integrated Lighting

The power station includes built-in lighting features for convenience and emergencies.



Figure 4: Integrated Lighting Modes - An image showing a person inside a tent reading by the light of the power station, illustrating its three light modes: Light, Strobe, and SOS.

- **3-level brightness LED flashlight:** Provides adjustable illumination.
- **2 lighting modes:** Steady light and flashing light (SOS mode).
- **Light panel:** Additional illumination for broader area lighting.

These lighting options are useful for camping, power outages, or any situation requiring portable light.

4. SETUP AND CHARGING

Before first use, fully charge your power station. The unit can be charged via three methods:



Figure 5: Charging Methods - An image illustrating three ways to recharge the power station: via a wall outlet, solar charging (solar panel not included), and car charging.

1. **Wall Outlet (AC Adapter):** Connect the provided AC adapter to the input port on the power station and plug it into a standard wall outlet.
2. **Car Charging:** Use the included car charging cable to connect the power station to your vehicle's 12V cigarette lighter socket.

- Solar Charging (Solar Panel Not Included):** The power station is compatible with solar panels (sold separately). Connect a compatible solar panel to the input port for eco-friendly charging.

The display will indicate the charging status. Ensure the unit is charged in a well-ventilated area.

5. OPERATING INSTRUCTIONS

To use the power station, follow these general steps:

- Power On/Off:** Press and hold the main power button to turn the unit on or off. The display will illuminate.
- Activate Outputs:** Press the respective AC, DC, or Light buttons to activate those output sections. The corresponding indicator on the display will light up.
- Connect Devices:** Plug your devices into the appropriate output ports (AC, DC, USB).
- Monitor Usage:** Observe the battery level and output indicators on the display to manage power consumption.
- Using the Flashlight:** Press the dedicated flashlight button to cycle through brightness levels and SOS mode.

The power station features a built-in Battery Management System (BMS) for safe operation, protecting against overvoltage, overcurrent, and short circuits. The Pure Sine Wave AC inverter ensures compatibility with sensitive electronics.

6. MAINTENANCE

- Storage:** Store the power station in a cool, dry place away from direct sunlight and extreme temperatures.
- Charging Frequency:** For optimal battery life, fully charge the unit every 3-6 months, even if not in use.
- Cleaning:** Use a soft, dry cloth to clean the exterior. Do not use abrasive cleaners or immerse the unit in water.
- Avoid Overloading:** Do not exceed the rated output power (250W continuous, 500W peak) to prevent damage.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit does not power on	Low battery; Power button not held long enough.	Charge the power station; Press and hold the power button for 3 seconds.
AC output not working	AC output not activated; Device exceeds 250W.	Press the AC button to activate; Check device wattage.
USB ports not charging	USB output not activated; Cable issue.	Press the DC button to activate USB; Try a different USB cable.
Overheat warning on display	Unit is operating in high temperature environment or under heavy load.	Move unit to a cooler environment; Reduce load.

8. SPECIFICATIONS

Feature	Detail
Model Name	DenGaWa Portable Power Bank (R200)
Capacity	250Wh (67500mAh)
AC Output	110V, 250W (500W Peak), 60Hz, Pure Sine Wave
DC Output	12V/10A max
USB Output	3x 5V/3A total
USB QC 3.0 Output	5V/3A, 9V/2A
Input (DC)	15V 2.4A
Battery Type	Li-ion
Dimensions	8.5"L x 4.1"W x 6.7"H
Weight	5.1 lbs (2.3 kg)
Special Features	Portable, 3-level LED flashlight, SOS mode, BMS protection



Figure 6: Product Dimensions - A diagram showing the length, width, and height measurements of the DenGaWa Portable Power Station.

9. WARRANTY AND SUPPORT

Your DenGaWa Portable Power Station comes with a **12-month guarantee** from the date of purchase.

For any questions, technical assistance, or warranty claims, please contact our customer service team. We offer **7*24 hours prompt and friendly customer service** to ensure the best user experience.

Contact information can typically be found on the product packaging or the official DenGaWa website.

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This manual is for informational purposes only. Specifications are subject to change without notice.