GENSROCK K300

GENSROCK Portable Power Station K300 User Manual

Model: K300

1. Introduction

Thank you for choosing the GENSROCK Portable Power Station K300. This compact and versatile power solution is designed to provide reliable power for various applications, including outdoor camping, RV travel, family emergencies, and general household use. With its 222Wh capacity and 300W pure sine wave AC output, it can power a wide range of small electronic devices and appliances.

This manual provides essential information on the safe operation, setup, maintenance, and troubleshooting of your GENSROCK K300 Portable Power Station. Please read it thoroughly before use and retain it for future reference.

2. Package Contents

Upon unpacking, please verify that all the following items are included:

- 1 x GENSROCK 222Wh Portable Power Station (Model K300)
- 1 x AC Power Adapter
- 1 x Car Charger
- 1 x User Manual



Image: GENSROCK Portable Power Station K300 with its AC power adapter, car charger, and user manual.

3. Product Overview

3.1. Device Layout

The GENSROCK K300 is designed for intuitive use with clearly labeled ports and controls.



Image: Detailed diagram illustrating the various input and output ports, along with the LCD display on the GENSROCK K300 Portable Power Station.

3.2. Output Ports

The power station is equipped with multiple output options to cater to diverse charging needs:

- **AC Output:** 2 x 110V/300W (330W peak) pure sine wave AC outlets.
- **DC Output:** 3 x DC ports (12-15V/15A total).
- **USB Output:**
  - 2 x QC 3.0 USB ports
  - 1 x USB port (5V 2.4A)
  - 1 x USB Type-C port

3.3. LCD Display

The integrated LCD display provides real-time information about the power station's status:

- Remaining battery capacity (percentage)
- Current input wattage
- Current output wattage (separated for AC/DC/USB)
- Indication of active output ports



Image: Close-up view of the GENSROCK K300's LCD display, detailing battery level, input, and output power readings.

4. Setup

Before first use, it is recommended to fully charge the power station. Ensure the device is placed on a stable, flat surface in a well-ventilated area.

4.1. Initial Charge

Connect the provided AC adapter to the DC input port on the power station and plug it into a standard wall outlet. The LCD display will show the charging status. A full charge typically takes approximately 5 hours.

5. Charging the Power Station

Your GENSROCK K300 offers three convenient methods for recharging:

- **AC Wall Outlet:** Use the included AC adapter to charge from any standard wall socket. (Approx. 5 hours for full charge).
- **Solar Panel:** Connect a compatible 15V-24V, 2.5A solar panel (not included) to the DC input port for eco-friendly charging.
- **Car Charger:** Utilize the included car charger to recharge the unit from your vehicle's 24V socket.



Image: Visual representation of the three charging methods for the GENSROCK K300: via a wall outlet, a solar panel (not included), and a 24V car charger.

5.1. Pass-Through Charging

The GENSROCK K300 supports pass-through charging, meaning you can charge the power station while simultaneously powering other devices. This feature is useful for continuous power supply.

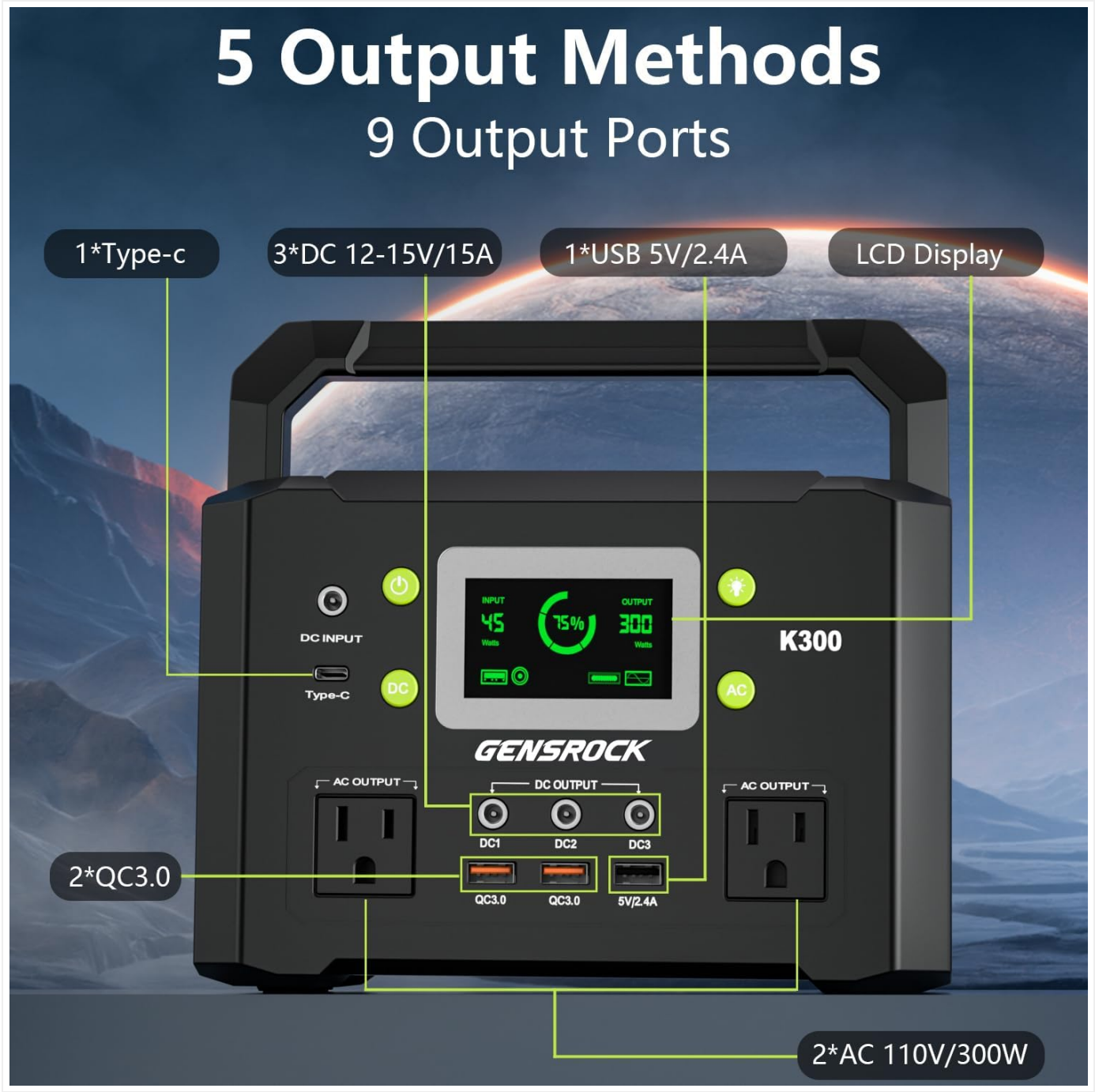


Image: Diagram illustrating the pass-through charging function, allowing the power station to be charged while simultaneously providing power to connected devices.

6. Operation

6.1. Powering On/Off

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

6.2. Using Output Ports

To activate specific output sections (AC, DC, USB), press the corresponding button next to the ports. The LCD display will indicate which outputs are active. Connect your devices to the appropriate ports.

6.3. LED Light Function

The power station features a built-in LED flashlight with multiple modes:

- Press the LED light button once for low brightness.
- Press again for medium brightness.
- Press a third time for high brightness.
- Press a fourth time for the SOS flashing mode.
- Press a fifth time to turn the LED light off.



Image: Diagram illustrating the three brightness levels (Soft, Medium, Strong) and the SOS mode for the integrated LED light on the GENSROCK K300.

7. Safety Features

The GENSROCK K300 is equipped with a high-quality Battery Management System (BMS) to ensure safe and reliable operation. The BMS monitors and protects the generator from various potential issues:

- **Short Circuit Protection:** Prevents damage from electrical shorts.
- **Overcurrent Protection:** Safeguards against excessive current draw.
- **Temperature Protection:** Monitors and regulates internal temperature to prevent overheating.
- **Overvoltage Protection:** Protects against voltage spikes.
- **Battery Protection:** Ensures the longevity and health of the internal lithium battery.
- **Overload Protection:** Shuts down the unit if connected devices exceed its power capacity.



Image: Diagram illustrating the comprehensive safety features provided by the Battery Management System (BMS) in the GENSROCK K300, including protection against short circuits, overcurrent, temperature, overvoltage, battery issues, and overload.

8. Maintenance

To ensure optimal performance and longevity of your GENSROCK K300, follow these maintenance guidelines:

- **Regular Charging:** If the power station is not in use, charge it at least every 1-2 months to maintain battery health.
- **Storage:** Store the unit in a cool, dry place away from direct sunlight and extreme temperatures.
- **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 connect devices that exceed the power station's rated output (300W continuous, 330W peak).

9. Troubleshooting

If you encounter issues with your GENSROCK K300, please refer to the following common troubleshooting steps:

- **Unit Not Turning On:** Ensure the battery is charged. If completely depleted, it may take a few minutes of charging before the unit responds.

- **No Output from Ports:** Verify that the specific output section (AC, DC, USB) is activated by pressing its corresponding button. Check if the connected device is within the power station's wattage limits.
- **Charging Issues:** Ensure the charging adapter/cable is securely connected and the power source is active. If using a solar panel, ensure it is receiving adequate sunlight.
- **Overload Indication:** If the unit shuts down or displays an overload warning, disconnect high-power devices and restart the unit.

For persistent issues not covered here, please contact GENSROCK customer support.

10. Specifications

Feature	Specification
Model Name	K300
Battery Capacity	222Wh
AC Output	110V/300W (330W Peak) Pure Sine Wave
DC Output	3 x 12-15V/15A
USB Output	2 x QC 3.0, 1 x 5V/2.4A, 1 x Type-C
Input (AC Adapter)	Approx. 5 hours for full charge
Input (Solar Panel)	15V-24V, 2.5A (Solar Panel Not Included)
Input (Car Charger)	24V Car Socket
Cycle Life	>1500 times
Item Weight	5.5 Pounds
Product Dimensions	8.3 x 4.7 x 5.8 inches
Material	Plastic
Manufacturer	GENSROCK

11. Warranty and Support

11.1. Warranty Information

The GENSROCK Portable Power Station K300 comes with a 2-year manufacturer's warranty from the date of purchase. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

11.2. Customer Support

For any questions, technical assistance, or warranty inquiries, please contact GENSROCK customer service. We offer 7x24-hour professional client service to assist you.
Contact information can typically be found on the GENSROCK official website or through your purchase platform.

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Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Answered questions about this manual

How do I reset the GENSROCK K300 Portable Power Station?

The GENSROCK K300 (often referred to as the H120) does not have a dedicated physical "reset" pinhole. Instead, the device is reset by cycling the power or clearing an overload state. Follow these steps:Clear...

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