GONEO GNV-USY16

GONEO Portable Power Station GNV-USY16 User Manual
Model: GNV-USY16

1. INTRODUCTION

The GONEO Portable Power Station GNV-USY16 is a versatile and reliable power source designed for various applications, including outdoor activities, emergency backup, and powering sensitive electronics. This manual provides essential information for safe operation, optimal performance, and proper maintenance of your device. Please read this manual thoroughly before using the power station.

2. IMPORTANT SAFETY INSTRUCTIONS

- Do not disassemble, repair, or modify the unit. Incorrect reassembly may cause fire or injury.
- Do not expose the unit to fire or high temperatures (above 60°C/140°F).
- Do not use or store the unit in a bathroom or in areas exposed to rain or moisture.
- Use only the recommended accessories and chargers.
- Keep the unit away from children and pets.
- Avoid dropping, heavy impacts, or strong vibrations.
- Do not insert foreign objects into the ports.
- Ensure proper ventilation during use and charging. Do not cover the unit.
- In case of fire, use a dry powder fire extinguisher.

3. PRODUCT OVERVIEW

3.1 Package Contents

- GONEO Portable Power Station GNV-USY16
- AC Power Adapter
- Car Charger Cable
- User Manual

3.2 Component Identification

Image: Front view of the GONEO Portable Power Station GNV-USY16, highlighting its various ports, display, and carrying handle.

3.3 Input/Output Ports

Power All Your Devices

Image: Close-up of the power station's input and output ports, including DC, PV, Car Socket, USB-C, USB-A, and AC outlets, with examples of compatible devices.

- **DC Input/Output (12V/12A):** For charging the power station or powering 12V DC devices.
- **PV Input:** For connecting solar panels to charge the power station.
- **Car Socket (12V/12A):** For powering 12V car appliances.
- **USB-C Input/Output (PD 100W):** For fast charging the power station or compatible USB-C devices.
- **USB-A Output (5V/2.4A):** For charging standard USB devices.
- **AC Output (110V/600W):** Standard AC outlets for household appliances.

3.4 LED Display Panel

Compact & Portable

25% Smaller than Other Brands

25%
Smaller

GONEO

5.94inch
7.32inch
11.22inch

VS

Other Power Station

9.3inch
11.4inch
7.3inch

Image: A detailed view of the 5.5-inch LED display, showing indicators for charging status (DC, CAR, PD), battery percentage, estimated time to full/empty, input/output power, and active output ports (DC, CIG, USB-A, USB-C, AC, LIGHT).

The 5.5-inch LED display provides real-time information about the power station's status:

- **Battery Percentage:** Shows the current charge level.
- **Time to Full/Empty:** Estimated time remaining for charging or discharging.
- **Input Power:** Displays the current power input (in Watts).
- **Output Power:** Displays the current power output (in Watts).
- **Charging Indicators:** DC, CAR, PD icons illuminate to show the active charging method.
- **Output Indicators:** Icons for DC, CIG (Car Socket), USB-A, USB-C, AC, and LIGHT illuminate when their respective outputs are active.

4. Setup and Initial Use

1. **Unpacking:** Carefully remove the power station and all accessories from the packaging.
2. **Initial Charge:** Before first use, fully charge the power station using the provided AC adapter. Connect the AC adapter to the DC input port and plug it into a wall outlet. The LED display will show charging progress.
3. **Power On/Off:** Press and hold the main power button for a few seconds to turn the unit on or off.

5. Operation

5.1 Charging the Power Station

The power station can be recharged using three methods:

- **AC Adapter:** Connect the provided AC adapter to the DC input port.
- **Solar Panel:** Connect a compatible 100W solar panel to the PV input port.
- **USB-C PD 100W:** Use a compatible USB-C PD charger and cable.

For fastest charging, use both the USB-C PD port and the DC input port simultaneously. This can fully recharge the battery in approximately 2 hours.

5.2 Powering Devices

To power a device, ensure the power station is turned on. Press the respective output button (e.g., AC, DC, USB) to activate the desired port. The corresponding icon on the LED display will illuminate.

- **AC Output:** Connect devices requiring 110V AC power (up to 600W).
- **DC Output/Car Socket:** Connect 12V DC devices.
- **USB-A/USB-C Output:** Connect USB-powered devices for charging.

5.3 LED Flashlight Function

Image: The GONEO Power Station's 6.5-inch LED flashlight panel illuminating a camping tent at night, demonstrating its four lighting modes: Normal, Bright, SOS, and Flashing.

The power station features a 6.5-inch LED flashlight panel with four lighting modes:

- **Normal:** Standard illumination.

- **Bright:** Increased brightness for enhanced visibility.

- **SOS:** Flashes the international distress signal.

- **Flashing:** A continuous flashing pattern.

To activate or cycle through modes, press the dedicated flashlight button.

5.4 Low Temperature Operation

6.5 Inch Flashlight Panel

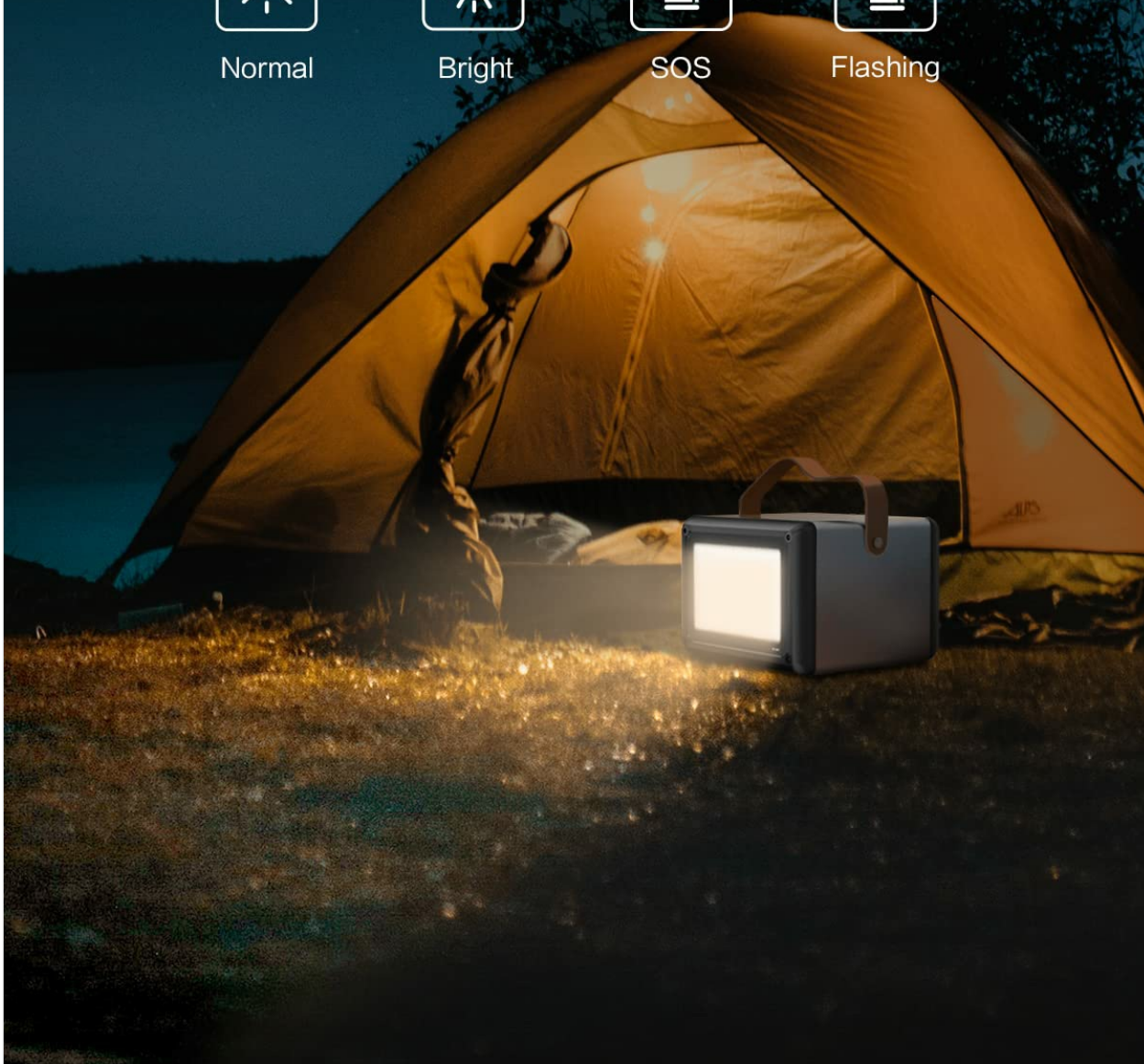## 10 Times Brighter than Other Brands

Normal   Bright   SOS   Flashing

Image: The GONEO Power Station in a snowy outdoor setting, demonstrating its ability to operate effectively in cold conditions (below 32°F/0°C) due to its built-in preheating system, shown charging a drone.

The power station includes a built-in preheating system that automatically detects low temperatures (down to -20°C/-4°F) and initiates heating to ensure optimal battery performance and charging capability in cold environments.

5.5 Quiet Operation

Image: The GONEO Power Station operating at a low noise level of 5dB, depicted next to a person sleeping peacefully in a tent, illustrating its fanless design for a quiet environment.

Designed with a fanless cooling system, the power station operates at a low noise level of approximately 5dB, providing a quiet environment suitable for camping, RV trips, or during power outages.

6. CARE AND MAINTENANCE

- **Cleaning:** Use a dry, soft cloth to wipe the exterior of the unit. Do not use abrasive cleaners or solvents.
- **Storage:** Store the power station in a cool, dry place, away from direct sunlight and extreme temperatures. For long-term storage, charge the unit to 50-80% every 3-6 months to preserve battery life.
- **Battery Care:** Avoid fully discharging the battery frequently. Recharge the unit promptly after use.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit does not turn on	Battery is completely discharged; Power button not pressed long enough.	Charge the unit; Press and hold the power button for 3-5 seconds.
No output from ports	Output port not activated; Device draws too much power; Battery is low.	Press the corresponding output button; Check device wattage; Recharge the power station.
Charging slowly	Using a low-power charger; Environmental temperature is too low.	Use the provided AC adapter or a 100W PD charger; Ensure unit is within operating temperature range.

8. TECHNICAL SPECIFICATIONS

Model	GNV-USY16
Battery Capacity	607Wh (Lithium Ion)
AC Output	110V, 600W (Pure Sine Wave)
DC Input	12V/12A
USB-C Input/Output	PD 100W
USB-A Output	5V/2.4A
Car Socket Output	12V/12A
LED Flashlight	6.5 inch, 4 Modes (Normal, Bright, SOS, Flashing)
Dimensions (LxWxH)	27.94 x 18.8 x 13.72 cm (11.0 x 7.4 x 5.4 inches)
Weight	Not specified in provided data
Material	Aluminum
Operating Temperature	-20°C to 40°C (-4°F to 104°F)

9. WARRANTY AND CUSTOMER SUPPORT

For warranty information, technical support, or any questions regarding your GONEO Portable Power Station GNV-USY16, please refer to the warranty card included with your product or contact GONEO customer

service directly. Contact details are typically available on the official GONEO website or through your purchase platform.

Related Documents - GNV-USY16

	[GONEO 87W 5-Port USB Charging Station GNV-USA905 - Specifications and Safety](#) Detailed information about the GONEO 87W 5-Port USB Charging Station (Model GNV-USA905), including specifications, features, safety instructions, and FCC compliance.
	[Goneo EV Charger Wallbox Configuration Guide](#) Comprehensive guide to configuring your Goneo EV Charger wallbox via web browser or mobile app, covering WLAN, LAN, 4G, and advanced settings.
	[Goneo D3E EV Wallbox: Konfiguration über Browser und App](#) Diese Anleitung beschreibt die Konfiguration der Goneo D3E EV-Ladestation. Sie lernen, wie Sie die Ladestation über die integrierte Offline-Webseite im Browser oder über die mobile App 'Goneo EV Charger' einrichten und vernetzen. Die Schritte umfassen die Verbindung mit dem WLAN-Hotspot, die Anmeldung, die Eingabe von Netzwerkeinstellungen wie WLAN, LAN und 4G sowie die Nutzung der App für eine einfache Konfiguration.
	[GONEO Electric Car Charging Station Wallbox Installation Video and Guide](#) Access the installation video and guide for the GONEO Wallbox, an 11kW, 3-phase EV charging station with WiFi control and IP65/IK10 protection. This document provides essential setup information.

[GONEO 4-Port USB C Power Station - Fast Charging and Safety Features](#)
Discover the GONEO 4-Port USB C Power Station, featuring 30W PD fast charging, compact design, and multiple safety protections for your devices. Includes detailed input/output specifications.