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› IIGENAI Portable Power Station GN-637 User Manual

IIGENAI GN-637

IIGENAI Portable Power Station GN-637 User Manual

Model: GN-637

1. INTRODUCTION

Thank you for choosing the IIGENAI Portable Power Station GN-637. This device is a versatile and reliable power solution designed to provide electricity for various electronic devices, whether at home, during outdoor activities, or in emergency situations. With a 600W continuous output and a 576Wh battery capacity, it offers multiple charging and output options, including AC, DC, USB-A, and USB-C PD. Please read this manual carefully before using the product to ensure safe and optimal operation.

2. SAFETY INSTRUCTIONS

To prevent injury, damage to the unit, or damage to connected devices, always follow these basic safety precautions:

- Do not disassemble, repair, or modify the unit.
- Do not expose the unit to fire or high temperatures.
- Do not use or store the unit in direct sunlight or in hot environments.
- Keep the unit away from water, moisture, and corrosive substances.
- Do not use the unit if it is damaged or has been dropped.
- Ensure proper ventilation during use to prevent overheating.
- Keep out of reach of children.
- Use only approved accessories and charging cables.
- **Protection Features:** The unit includes protection against low voltage, overvoltage, overheating, overload, and short-circuit.

PARÂMETROS TÉCNICOS



Image: Safety protection features of the power station.

3. PACKAGE CONTENTS

Please check that all the following items are included in your package:

- 1 x IIGENAI Portable Power Station GN-637 (600W/576Wh)
- 1 x AC Charger (Input: 100-120V / Output: 12-40V 100W)
- 1 x User Manual



Image: Contents of the product package.

4. PRODUCT OVERVIEW

The IIGENAI Portable Power Station GN-637 features a robust design with multiple input and output ports for versatile power delivery. It includes an intuitive LCD display for monitoring status and integrated LED lighting.

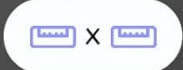
PORTÁTIL

ESTAÇÃO DE ENERGIA

2

USB

5V3A/9V2A/12V1.5A



600W

Potência nominal

1200W

Potência máxima

110V60HZ

tensão de entrada

110V60HZ

Saída CA

12V10LED

Saída CC

3W

iluminação



Image: Front panel and ports of the IIGENAI Portable Power Station.

Key Features:

- **Versatile Power:** 600W continuous power, 1200W peak power, 576Wh capacity.
- **Multiple Outputs:** 2x USB-A, 1x USB-C PD 45W, 2x AC 110V/60Hz outlets, 1x DC 12V output.
- **Flexible Charging:** Supports solar charging (12-40V), AC wall outlet (100-120V), and car charging.
- **Digital Display:** LCD panel shows battery status, input/output power, and system settings.
- **Integrated LED Light:** 3W LED illumination for convenience.

5. SETUP

Before first use, ensure the power station is fully charged.

Initial Charging:

1. Connect the provided AC charger to the AC Input port on the power station.
2. Plug the AC charger into a standard wall outlet (100-120V).
3. The LCD display will indicate charging status. Charge until the battery icon shows full.

6. OPERATING INSTRUCTIONS

6.1. Charging the Power Station

The power station can be charged via AC wall outlet, solar panel, or car charger.

- **AC Charging:** Use the included AC adapter. Connect to the AC Input port and a wall outlet.
- **Solar Charging:** Connect a compatible solar panel (12-40V, 100W max) to the DC Input port. Place the solar panel in direct sunlight.
- **Car Charging:** Connect a compatible car charger (not included) to the DC Input port and your vehicle's 12V auxiliary power outlet.

6.2. Using Outputs

To use any output, ensure the power station is turned on. Press the respective switch for the desired output type (AC, USB, DC).

- **AC Output (110V/60Hz):** Press the 'AC switch' button. Plug your AC devices into the AC sockets. The LCD will show AC output power.
- **USB Output (USB-A, USB-C PD):** Press the 'USB switch' button. Connect your USB devices to the USB-A or USB-C PD ports. The LCD will show USB output power.
- **DC Output (12V):** Press the 'DC switch' button. Connect your 12V DC devices to the DC output port. The LCD will show DC output power.

6.3. Using the LED Light

Press the 'LED switch' button to turn the integrated 3W LED light on or off. Multiple presses may cycle through different brightness modes or SOS signal mode, if available.

6.4. Understanding the LCD Display

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

- **Battery Level:** Indicates the remaining battery charge.
- **Input Power:** Shows the current power (in Watts) being drawn during charging.
- **Output Power:** Displays the current power (in Watts) being delivered to connected devices for AC, DC, and USB outputs.
- **Status Indicators:** Icons for AC, DC, and USB output activation.

7. MAINTENANCE

- **Cleaning:** Use a dry, soft cloth to clean 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.
- **Long-Term Storage:** If storing for extended periods, charge the unit to 50-80% every 3-6 months to maintain battery health.
- **Ventilation:** Ensure the ventilation vents are clear of obstructions during use.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit does not turn on	Battery is depleted.	Charge the power station.
AC output not working	AC output not activated. Device power exceeds 600W.	Press the AC switch. Check device wattage; reduce load.
USB output not working	USB output not activated. Cable or device issue.	Press the USB switch. Try a different cable or device.
Unit is overheating	Excessive load. Poor ventilation.	Reduce load. Ensure vents are clear and unit is in a well-ventilated area.
Slow charging	Using a low-power charger/solar panel.	Ensure charger meets specifications. Optimize solar panel angle.

9. SPECIFICATIONS

Feature	Specification
Model	GN-637
Battery Capacity	576Wh (19.2V, 30Ah)
AC Output	110V/60Hz, 600W (Continuous), 1200W (Peak)
DC Output	12V/9A
USB-A Output	2x Ports: 5V/3A, 9V/2A, 12V/1.5A
USB-C PD Output	1x Port: 5V/3A, 9V/2A, 12V/1.5A, 15V/3A, 20V/2.25A (Max 45W)
AC Input	100-120V, 300W
DC Input (Solar/Car)	12-40V, 100W
LED Illumination	3 Watts
Dimensions	286 x 255 x 211 mm
Weight	8.5 kg
Material	Plastic
Operating Temperature	0°C to 40°C (32°F to 104°F)

PARÂMETROS TÉCNICOS

TAMANHO DO PRODUTO:

286*255*211MM



CAPACIDADE: 19.2 VCC, 30AH 576 WH

ILUMINAÇÃO LED: 3 WATTS

ENTRADA CC: 12-40V 100W

ENTRE NA TROCA: 100-120V 300 W

SAÍDA USB-A: 5V/3A, 9V/2A, 12V/1.5A

SAÍDA USB-C PD: 5V/3A, 9V/2A, 12V/1,5A, 15V/3A, 20V/2,25A (MÁX. 45W)

SAÍDA DE SOQUETE: 12V/9A

Image: Detailed technical specifications of the power station.

10. WARRANTY AND SUPPORT

The IIGENAI Portable Power Station GN-637 comes with a standard manufacturer's warranty. For specific warranty details, please refer to the warranty card included with your product or contact your retailer.

If you encounter any issues or have questions regarding your product, please contact customer support for assistance. Provide your model number (GN-637) and purchase details when contacting support.