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› IIGENAI Portable Power Generator GN-636 User Manual

IIGENAI GN-636

IIGENAI Portable Power Generator GN-636 User Manual



1. INTRODUCTION

Thank you for choosing the IIGENAI Portable Power Generator Model GN-636. This device is designed to provide reliable power for various applications, including camping, outdoor activities, and emergency backup during power outages. With a 1450Wh battery capacity and 1500W nominal output, it offers a versatile and efficient energy solution. Please read this manual thoroughly before operating the device to ensure safe and optimal performance.



Image 1.1: The IIGENAI Portable Power Generator GN-636 shown with its power cable and charging adapter.

2. SAFETY INSTRUCTIONS

To prevent injury, damage to the device, or damage to connected equipment, always follow these safety precautions:

- Do not disassemble, repair, or modify the unit. Incorrect reassembly may cause fire or electric shock.
- Do not place the unit near fire or expose it to direct sunlight or high temperatures.
- Do not use or store the unit in a bathroom or in areas exposed to water or moisture.
- Do not drop, strike, or subject the unit to strong impacts.
- Keep the unit out of reach of children and pets.
- Ensure proper ventilation during use and charging to prevent overheating.
- Use only the provided or approved charging adapter.
- In case of fire, use a dry powder fire extinguisher. Do not use water.

- The device features protection against low voltage, overvoltage, overheating, overload, and short-circuit. However, always operate within specified limits.

FONTE DE ALIMENTAÇÃO EXTERNA

COMUTAÇÃO AUTOMÁTICA SEM FALHA DE ENERGIA

220 VCA
110 VCA
TENSÃO CA:

± 0,5
INTERVALO DE F
REQUÊNCIA:

1500 W
POTÊNCIA NO
MINAL:

3000 W
POTÊNCIA D
E PICO:



PROTEÇÃO: BAIXA TENSÃO, SOBRETENSÃO, SOBREAQUECIMENTO, SOBRECARGA, CURTO-CIRCUITO

Image 2.1: The power station's display indicating various protection features such as low voltage, overvoltage, overheating, overload, and short-circuit protection.

3. PACKAGE CONTENTS

Please check the package for the following items:

- 1 x IIGENAI Portable Power Generator GN-636
- 1 x AC Power Cable
- 1 x Generator Charger Adapter
- 1 x User Manual

4. PRODUCT FEATURES

The IIGENAI GN-636 Portable Power Generator offers robust features for diverse power needs:

- **High Capacity:** Equipped with a 1450Wh high-quality Ternary battery.
- **Powerful Output:** Provides a nominal AC output of 1500W with a peak power of 3000W.
- **Multiple Outputs:** Includes AC outlets (220V/110V, region-dependent), USB (5V/1A), and Type-C (5V/1A) ports for various devices.
- **Fast Charging:** Recharges in approximately 7 to 8 hours using the DC 29.4V/8A adapter.
- **LCD Display:** An intelligent LED display shows battery status and operational information.
- **Durable Design:** Operates effectively in temperatures ranging from -20°C to 50°C.
- **Long Lifespan:** Battery cycle life of over 500 times.

CAPACIDADE: 1450WH

FONTE DE ALIMENTAÇÃO

FONTE DE ALIMENTAÇÃO PORTÁTIL

1500w POTÊNCIA NOMINAL

3000w POTÊNCIA DE PICO:

29.4v TENSÃO DE ENTRADA:

1450wh CAPACIDADE:

CABO DE ALIMENTAÇÃO

-20 °C ~ 50 °C TEMPERATURA DE FUNCIONAMENTO:

200w PAINEL SOLAR RECOMENDADO:

Image 4.1: A visual representation of the power station's key specifications, including its 1450Wh capacity, 1500W nominal power, and 3000W peak power.

5. SETUP

1. **Unpack:** Carefully remove the power generator and all accessories from the packaging.
 2. **Inspect:** Check the unit and accessories for any signs of damage. If any damage is found, do not use the product and contact customer support.
 3. **Initial Charge:** Before first use, fully charge the power station. Refer to Section 7 for charging instructions.
 4. **Placement:** Place the generator on a stable, flat surface with adequate ventilation. Ensure the air vents are not obstructed.
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6. OPERATING INSTRUCTIONS

The IIGENAI GN-636 is designed for ease of use. Follow these steps to operate the device:

6.1 Powering On/Off

- To turn on the unit, press and hold the main power button for a few seconds until the LCD display illuminates.
- To turn off the unit, press and hold the main power button again until the display turns off.

6.2 Using AC Outputs

- After turning on the unit, press the AC output button to activate the AC outlets. The AC indicator on the display will light up.
- Plug your AC-powered devices into the available AC outlets. Ensure the total power consumption does not exceed 1500W.
- When finished, press the AC output button again to turn off the AC outlets.

6.3 Using USB and Type-C Outputs

- The USB and Type-C ports are typically active once the main power is on.
- Connect your USB-powered devices (smartphones, tablets, drones, etc.) to the USB or Type-C ports.
- The USB/Type-C outputs provide 5V/1A.

APROVEITE AS SUAS VIAGENS

FONTE DE ALIMENTAÇÃO

CARREGUE VÁRIOS DISPOSITIVOS EM SIMULTÂNEO

≈ 31 VEZES
PORTÁTIL 48WH

≈ 47 VEZES
TELEMÓVEL 3200MAH

≈ 83 VEZES
DRONE 18WH

≈ 91 VEZES
CÂMARA 16,4W

≈ 15 VEZES
PROJETOR 100W

≈ 93 VEZES
CONSOLA DE JOGOS 16WH

NÃO SE PREOCUPE
COM O CON
SUMO DE ENERGIA

USB/TIPO-C:
1A5V

110v60Hz
TENSÃO DE S
AÍDA:



Image 6.1: The power station connected to various devices such as a laptop, smartphone, drone, camera, projector, and game console, demonstrating its multi-device charging capability.

POTÊNCIA EXTERNA 1500W

ESTAÇÃO DE ENERGIA PORTÁTIL APROVEITE E O CAMPISMO



Image 6.2: The portable power station providing electricity for outdoor appliances like a fan, kettle, and rice cooker in a camping environment.

7. CHARGING THE POWER STATION

The IIGENAI GN-636 can be charged using the included AC adapter or a compatible solar panel (sold separately).

7.1 AC Charging

1. Connect the charging adapter to the DC input port on the power station.
2. Plug the AC power cable into the charging adapter, then into a standard wall outlet.
3. The LCD display will indicate charging status. A full charge takes approximately 7-8 hours.

7.2 Solar Charging (Optional)

The unit supports solar panel charging. A 200W solar panel is recommended for optimal charging speed.

1. Connect a compatible solar panel (DC 29.4V input) to the DC input port on the power station.

2. Position the solar panel in direct sunlight for maximum efficiency.
3. The LCD display will show the charging status. Charging time will vary depending on solar intensity and panel wattage.

8. 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.
- **Battery Care:** For optimal battery health, fully charge the unit every 3-6 months, even if not in use. Avoid completely draining the battery for extended periods.
- **Ventilation:** Ensure the ventilation openings are clear of dust and debris to prevent overheating.

9. TROUBLESHOOTING

If you encounter issues with your IIGENAI GN-636, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Unit does not turn on	Battery is completely drained; Power button not pressed long enough	Charge the unit; Press and hold the power button for 3-5 seconds
AC output not working	AC output not activated; Overload protection triggered	Press the AC output button; Reduce connected load, then restart AC output
Unit not charging	Charger not properly connected; Faulty charger/cable; Extreme temperature	Ensure connections are secure; Try a different outlet; Charge within operating temperature range (-20°C to 50°C)
LCD display not working	Unit is off; Display malfunction	Turn on the unit; Contact customer support if issue persists

If the problem persists after attempting these solutions, please contact IIGENAI customer support for further assistance.

10. TECHNICAL SPECIFICATIONS

Parameter	Specification
Model	GN-636
Battery Capacity	1450Wh
Battery Type	High-quality Ternary Battery
AC Output Voltage	220VAC (Max) / 110VAC (Max) (Optional, region-dependent)

Parameter	Specification
AC Output Waveform	Modified Sine Wave
AC Output Frequency	60Hz \pm 10% (Region-dependent)
Nominal AC Power	1500W
Peak AC Power	3000W
USB Output	1x DC 5V/1A
Type-C Output	1x DC 5V/1A
DC Charging Input	DC 29.4V/8A
Charging Time (AC Adapter)	Approx. 7-8 hours
Battery Indication	LED Display
Operating Temperature	-20°C to 50°C
Cycle Life	> 500 times
Dimensions (LWH)	400 x 210 x 275 mm (15.7 x 8.3 x 10.8 inches)
Weight	Approx. 16 kg (35.3 lbs)

CENÁRIOS DE APLICAÇÃO

PODE ATINGIR UMA VARIEDADE DE CENÁRIOS DE UTILIZAÇÃO



Image 10.1: The power station depicted in various usage scenarios, including camping, road trips, power outages, and social gatherings.

11. WARRANTY AND SUPPORT

The IIGENAI Portable Power Generator GN-636 comes with a standard manufacturer's warranty. Please refer to the warranty card included in your package for specific terms and conditions. For technical support, troubleshooting assistance, or warranty claims, please contact your retailer or the manufacturer directly. Keep your purchase receipt as proof of purchase.

