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› [IIGENAI](#) /

› IIGENAI Portable Power Generator W75 (Model GN-633) User Manual

IIGENAI GN-633

IIGENAI Portable Power Generator W75 (Model GN-633) User Manual

This manual provides essential instructions for the safe and efficient operation of your IIGENAI Portable Power Generator W75. Please read it thoroughly before use and retain it for future reference.

1. INTRODUCTION

The IIGENAI Portable Power Generator W75 is a versatile power solution designed for various applications, including camping, outdoor activities, and emergency backup during power outages. With a 310Wh battery capacity and 300W continuous output, it can power a wide range of electronic devices.

CENÁRIOS DE APLICAÇÃO

PODE ATINGIR UMA VARIEDADE DE CENÁRIOS DE UTILIZAÇÃO



This image illustrates multiple application scenarios for the IIGENAI Portable Power Generator W75, including travel and camping, nomadic travel, power outage emergencies, and team integration dinners, demonstrating its versatility.

2. SAFETY INSTRUCTIONS

To ensure safe operation and prolong the life of your device, please observe the following safety guidelines:

- Do not disassemble, repair, or modify the unit. Unauthorized modifications can lead to hazards and void the warranty.
- Keep the unit away from fire, water, and extreme temperatures (above 50°C or below -20°C).
- Use only approved accessories and chargers provided or recommended by the manufacturer.
- Ensure proper ventilation during use and charging to prevent overheating. Do not block ventilation openings.
- Avoid dropping or subjecting the unit to strong impacts.
- Keep out of reach of children and pets.
- Dispose of the unit and its battery according to local regulations for electronic waste.

FONTE DE ALIMENTAÇÃO EXTERNA

COMUTAÇÃO AUTOMÁTICA SEM FALHA DE ENERGIA

-20°C ~70°C
HUMIDADE DE
TRABALHO:

10~90% HR
HUMIDADE DE
TRABALHO:

40°C~60°C
TEMPERATURA
DE ARM
AZENAMENTO:

10~95% HR
HUMIDADE D
E ARM
AZENAMENTO:



**PROTEÇÃO: BAIXA TENSÃO, SOBRECARGA, SOBR
EAQUECIMENTO, SOBRECARGA E C
URTO-CIRCUITO**

This image details the operational environment for the IIGENAI Portable Power Generator W75, including working humidity (10-90% RH), storage temperature (40°C-60°C), and storage humidity (10-95% RH). It also lists protection features such as low voltage, overload, overheating, and short-circuit protection.

3. PRODUCT OVERVIEW

Familiarize yourself with the components and interfaces of your portable power generator.



This image displays the front panel of the IGENAI Portable Power Generator W75, highlighting the LCD screen, USB-A ports, Type-C port, AC output socket, and power buttons. The handle is visible on top.

Front Panel Features

- **USB-A Output Ports:** For charging various USB-powered devices.
- **Type-C Output Port:** For fast charging compatible devices.
- **LCD Display:** Shows battery level, output status, and other operational information.
- **USB ON/OFF Button:** Activates/deactivates USB output.
- **AC Output Socket:** Provides 220V AC power for household appliances.
- **AC ON/OFF Button:** Activates/deactivates AC output.
- **DC/Solar Energy Charging Interface:** Input for charging the power station.

Package Contents

- 1x IGENAI Portable Power Generator W75
- 1x Power Output Cable
- 1x Generator Charger
- 1x User Manual

4. SETUP

Initial Charging

Before first use, it is recommended to fully charge the power generator.

1. Connect the provided generator charger to the DC/Solar Energy Charging Interface on the unit.
2. Plug the charger into a standard wall outlet (220V).
3. The LCD display will indicate the charging status.
4. Charging typically takes approximately 7 to 8 hours for a full charge with the standard charger.



PEQUENO MAS POTENTE VIAGENS ATIVAS
ALIMENTE OS SEUS ITENS ESSENCIAIS

**TEMPO DE CARREGAMENTO:
CARREGADOR DE 10A, 5 HORAS**

This image highlights the charging time for the IIGENAI Portable Power Generator W75, stating that it takes 5 hours with a 10A charger (note: actual charging time may vary based on charger specifications and battery state).

Solar Charging (Optional)

The unit supports solar panel charging (solar panel sold separately).

1. Connect a compatible solar panel (DC13V~22V, up to 8A input) to the DC/Solar Energy Charging Interface.
2. Ensure the solar panel is positioned to receive maximum direct sunlight.
3. The LCD display will show the charging progress.

5. OPERATING INSTRUCTIONS

Using AC Output

1. Press the **AC ON/OFF** button to activate the AC output. The LCD display will show the AC output status.
2. Plug your 220V AC device into the AC output socket.
3. Ensure the device's power consumption does not exceed the generator's rated power of 300W (600W peak). Overloading can trigger protection mechanisms.
4. After use, press the **AC ON/OFF** button again to turn off the AC output.

Using USB Output

1. Press the **USB ON/OFF** button to activate the USB output.
2. Connect your USB-powered device to any of the available USB-A or Type-C ports.
3. The unit provides 2x USB 5V/3A, 1x USB 9V/2A, 1x USB 12V/1.5A, and 1x Type-C 5-12V/1.5-3A outputs.
4. After use, press the **USB ON/OFF** button again to turn off the USB output.

FONTE DE ALIMENTAÇÃO PORTÁTIL DE 300W

FORNECE FONTE DE ALIMENTAÇÃO PORTÁTIL DE 300W

- ≈ 6 VEZES PORTÁTIL 48WH
- ≈ 22 VEZES TELEMÓVEL 3200MAH
- ≈ 16 VEZES DRONE 18WH
- ≈ 18 VEZES CÂMARA 16,4W



300w
POTÊNCIA CONTÍNUA:

600w **12v/50A (OPCIONAL)**
POTÊNCIA DE PICO: CAPACIDADE DA BATERIA:

This image illustrates the power output capacity of the IIGENAI Portable Power Generator W75, indicating it can charge a laptop approximately 6 times, a mobile phone 22 times, a drone 16 times, and a camera 18 times. It also highlights 300W continuous power and 600W peak power.



This image showcases the IIGENAI Portable Power Generator W75 alongside various electronic devices it can power, including smartphones, laptops, drones, fans, kettles, and electric rice cookers, along with its charging accessories.

LCD Display Information

The intelligent LCD display provides real-time information about the unit's status:

- **Battery Level Indicator:** Shows the remaining battery capacity.
- **Output Power:** Displays the current power draw from AC and USB outputs.
- **Temperature:** Indicates the internal operating temperature.
- **Error Codes:** Alerts to potential issues (refer to the troubleshooting section for details).

6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your power generator.

- **Cleaning:** Use a dry, soft cloth to clean the unit. Do not use abrasive cleaners, solvents, or immerse the unit in water.
- **Storage:** Store the unit in a cool, dry place, away from direct sunlight and moisture. For long-term storage, charge the unit to 50-80% every 3-6 months to prolong battery life.
- **Battery Care:** Avoid fully discharging the battery frequently. Recharge promptly after use to maintain battery health.
- **Operating Temperature:** The unit is designed to operate between -20°C and 50°C. Avoid using or

storing it outside this range.

7. TROUBLESHOOTING

This section addresses common issues you might encounter. If a problem persists, please contact customer support.

Problem	Possible Cause	Solution
Unit does not turn on	Battery is depleted	Charge the unit fully using the provided charger.
AC output not working	AC output not activated / Overload	Press the AC ON/OFF button. Reduce connected load (max 300W continuous).
USB output not working	USB output not activated	Press the USB ON/OFF button.
Unit overheats	Poor ventilation / Overload	Ensure adequate airflow around the unit. Reduce connected load. Allow unit to cool.
Short circuit protection activated	Short circuit in connected device	Disconnect all devices, then restart the unit. Check devices for faults before reconnecting.
Low voltage protection activated	Battery voltage too low	Recharge the unit immediately.

8. SPECIFICATIONS

Feature	Detail
Model	W75 (GN-633)
Battery Capacity	310Wh
Battery Type	High-quality Ternary Battery
AC Output	220VAC, 300W (Rated), 600W (Peak)
USB-A Output	2x 5V/3A, 1x 9V/2A, 1x 12V/1.5A (Max)
Type-C Output	5~12V / 1.5~3A
DC Input (Charging)	DC13V~22V, up to 8A
Charging Time	Approx. 7-8 hours (with DC12.6V/8A charger)
Operating Temperature	-20°C to 50°C
Cycle Life	>500 times
Dimensions (LWH)	242 x 140 x 226 mm
Weight	Approx. 5.8 kg
Power Source Type	AC/DC
Application Suitability	Camping, Commercial, Residential

Note: AC output voltage and frequency are customized according to different countries and regions. Refer to the actual product for specific details.

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your purchase or contact the manufacturer directly. Keep your proof of purchase for any warranty claims or service requests.