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GOOLOO GTX300

GOOLOO GTX300 Portable Power Station User Manual

Model: GTX300 | Brand: GOOLOO

1. INTRODUCTION

The GOOLOO GTX300 Portable Power Station is a versatile and reliable power solution designed for various applications, including outdoor adventures, home backup, and emergency situations. Featuring a 299Wh lithium-ion battery, it provides 300W continuous pure sine wave power and 600W surge power, capable of charging and powering a wide range of electronic devices and small appliances.



Figure 1.1: GOOLOO GTX300 Portable Power Station. This image displays the compact and robust design of the power station, highlighting its main display and various output ports.

1.1 What's in the Box

Upon unpacking your GOOLOO GTX300, please verify that all the following components are included:

- 1x GOOLOO GTX300 Portable Power Station
- 1x AC Wall Charger
- 1x Car Cigarette Charging Cable
- 1x USB-C to USB-C Cable
- 1x User Manual (this document)

WHAT'S IN THE BOX



GOOLOO
GTX300
PORTABLE POWER
STATION
User Manual

Model: GTX300
Read this manual carefully before use keep it for future reference.

DC ON/OFF, DISPLAY, AC ON/OFF

IN/OUT: PD 60W, QC 3.0, 5V=3A, 5V=2.4

OUT 12V=10A, 12V=5A, 12V=5A

AC 110V/60Hz(300W)

OUTPUT: 000W, TIME 000 Hrs

INPUT: 000W, TIME 000 Hrs

Battery level: 100%

DC, AC

USB-C to USB-C cable, USB-C to USB-A cable, Car charger cable, Power cord

Figure 1.2: Included accessories with the GOOLOO GTX300. This image shows the power station along with its charging cables and user manual, laid out neatly.

2. GETTING STARTED (SETUP)

Before first use, it is recommended to fully charge the GOOLOO GTX300. This ensures optimal battery performance and longevity.

2.1 Charging Methods

The GTX300 offers multiple convenient charging options:

- **AC Wall Outlet + USB-C PD 60W (Simultaneous Charging):** Achieve 80% charge in approximately 2 hours. Full charge in 2.5 hours.
- **AC Wall Outlet Only:** Full charge in approximately 4 hours.
- **Car Charger:** Full charge in approximately 3 hours using the included car cigarette charging cable.
- **Solar Panel (Not Included):** Compatible with solar panels via Anderson connector and DC7909 port. Built-in MPPT

controller optimizes solar charging, achieving full charge in 3.5-6 hours depending on solar conditions.



Figure 2.1: Fast charging via AC wall outlet and USB-C simultaneously. This image illustrates the power station connected to both a wall outlet and a USB-C charger for rapid recharging.



Figure 2.2: Solar charging capability. The power station is shown connected to a solar panel, demonstrating its renewable energy charging option.

3. PRODUCT OVERVIEW (COMPONENTS & DISPLAY)

3.1 Front Panel Layout

The front panel of the GTX300 features a clear layout for easy operation and monitoring:

- **DC ON/OFF Button:** Activates/deactivates DC output ports.
- **Display Button:** Toggles the LCD screen on/off.
- **AC ON/OFF Button:** Activates/deactivates AC output ports.
- **DC Output Ports:** 2x 12V/5A DC5521 ports, 1x 12V/10A DC car port.
- **USB Output Ports:** 2x Type-C (PD 60W In/Out), 2x USB-A (QC 3.0, 5V-2.4A).
- **AC Output Ports:** 2x 110V/300W (Surge 600W) AC outlets.

3.2 Understanding the LCD Display

The 7-inch LCD screen provides comprehensive real-time information about the power station's status:

- **Battery Level Indicator:** Shows the current battery charge percentage.
- **Input Power (W):** Displays the current power input when charging.
- **Output Power (W):** Displays the current power output to connected devices.
- **Remaining Output/Charging Time:** Estimates the time remaining for discharge or full charge.
- **Troubleshooting Alerts:** Indicates any operational issues or warnings.
- **Temperature Indicator:** Shows the internal temperature.



Figure 3.1: The large 7-inch smart clear digital screen of the GTX300. This image highlights the detailed information displayed on the screen, including battery status, input/output wattage, and estimated time.

4. OPERATION

4.1 Powering On/Off

To power on the unit, press and hold the main power button (usually integrated with the display button) for a few seconds until the screen illuminates. To power off, repeat the process. Individual output sections (AC, DC) have their own ON/OFF buttons.

4.2 Using Output Ports

Ensure the power station is adequately charged before connecting devices. Press the corresponding ON/OFF button for the desired output type (AC, DC) to activate the ports. The display will show the output wattage.

- **AC Output:** Connect devices requiring 110V AC power (e.g., laptops, small appliances) to the AC outlets. Do not exceed 300W continuous power.
- **DC Output:** Use the 12V DC5521 ports for compatible DC devices or the 12V car port for car-powered accessories.
- **USB Output:** Connect smartphones, tablets, and other USB-powered devices to the USB-A or USB-C ports. The USB-C port supports Power Delivery (PD) 60W for fast charging compatible devices.



Figure 4.1: The GTX300's high capacity powering multiple devices. This image shows the power station simultaneously charging a camera, a portable gaming console, and a kettle, demonstrating its versatility.

4.3 Emergency LED Light Functions

The GTX300 includes an integrated LED light with three modes for emergency situations:

- **Stable Light (3W):** Provides continuous illumination.
- **Strong Light (5W):** Offers brighter illumination.
- **SOS Mode:** Flashes an SOS signal for emergencies.



Figure 4.2: The GTX300's portability and integrated LED light. This image shows a person carrying the power station, highlighting its compact size and the powerful beam of its emergency LED light.

5. APPLICATIONS

The GOOLOO GTX300 is designed for a wide range of applications, providing reliable power wherever you need it.

5.1 Recommended Uses

- **Camping & Outdoor Activities:** Power mini-fridges, fans, digital cameras, drones, and other camping essentials.
- **Home Backup:** Keep essential devices like routers, smartphones, laptops, and e-readers powered during outages.
- **Emergency Preparedness:** A reliable power source for CPAP machines, medical devices, and communication tools.
- **Road Trips:** Charge devices on the go using the car charger or solar panel.



Figure 5.1: The GTX300 in a camping environment. This image shows the power station being used to power devices like a mini-fridge, digital camera, drone, and fan during an outdoor trip.



Figure 5.2: The GTX300 providing home backup power. This image illustrates the power station supporting essential home electronics such as a router, smartphone, laptop, and e-reader.

6. SAFETY AND MAINTENANCE

6.1 Important Safety Instructions

- Do not disassemble, repair, or modify the unit.
- Keep away from fire or high temperatures.
- Do not expose to water or extreme humidity.
- Use only specified chargers and accessories.
- Ensure proper ventilation during use and charging.
- Keep out of reach of children.

6.2 Battery Care and Storage

The GTX300 is equipped with a premium Battery Management System (BMS) for voltage, current, and temperature protection, ensuring a cycle life of over 1000 times.



Figure 6.1: Internal view highlighting the Smart Battery Management System (BMS). This image provides an exploded view of the power station, emphasizing the integrated BMS for enhanced safety and battery longevity.

- For long-term storage, charge the unit to 50-80% every 3-6 months.
- Store in a cool, dry place away from direct sunlight.
- Avoid extreme temperatures (below -10°C or above 40°C).

6.3 Cleaning

Use a soft, dry cloth to clean the exterior of the power station. Do not use abrasive cleaners or solvents.

7. TROUBLESHOOTING

If you encounter issues with your GOOLOO GTX300, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Unit does not power on	Battery is completely depleted.	Connect to an AC wall charger and charge for at least 10 minutes before attempting to power on.
No output from AC/DC/USB ports	Output port not activated. Overload protection triggered.	Press the corresponding AC/DC ON/OFF button. Reduce the load on the output ports. Disconnect devices and restart the unit.
Charging is slow or not working	Charger not properly connected. Faulty charger/cable. Solar panel not receiving enough sunlight.	Ensure all charging cables are securely connected. Try a different charger or cable. Reposition the solar panel for direct sunlight.
Display is not working	Display turned off. Unit is off.	Press the 'DISPLAY' button. Ensure the unit is powered on.

If the problem persists after attempting these solutions, please contact GOOLOO customer support.

8. TECHNICAL SPECIFICATIONS

Detailed specifications for the GOOLOO GTX300 Portable Power Station:

Feature	Specification
Model Name	Portable Power Station GTX300
Battery Capacity	299Wh (Watt-hours)
AC Output	2x 110V/300W (600W Surge) Pure Sine Wave
DC Output	2x 12V/5A DC5521, 1x 12V/10A Car Port
USB-C Output/Input	2x PD 60W
USB-A Output	2x QC 3.0, 5V-2.4A
Charging Input	AC Wall Charger, Car Charger, Solar Panel (Anderson/DC7909)
Display	7-inch Ultra Large Smart Digital Screen
LED Light	3 Modes (Stable 3W, Strong 5W, SOS)
Dimensions (L x W x H)	9.8" x 6.9" x 9"
Weight	8.8 pounds
Operating Temperature	Not specified, but resists cold
Cycle Life	>1000 times



Figure 8.1: Physical dimensions of the GOOLOO GTX300. This image provides a visual representation of the power station's length, width, and height.

9. WARRANTY AND SUPPORT

GOOLOO is committed to providing high-quality products and excellent customer service. Your GOOLOO GTX300 Portable Power Station comes with a standard warranty. Please refer to the warranty card included in your packaging for specific terms and conditions.

9.1 Customer Support

If you have any questions, concerns, or require technical assistance with your GOOLOO GTX300, please do not hesitate to contact our customer support team. We aim to respond to all inquiries within 24 hours.

- **Contact Information:** Please refer to the contact details provided on the GOOLOO official website or the warranty card included with your product.
- **Online Resources:** Visit the official GOOLOO website for FAQs, product registration, and additional support resources.

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

What should I do if my GOOLOO GTX300 300W Portable Power Station is not charging?

If your GOOLOO GTX300 is not charging, please follow these troubleshooting steps based on the official manual: Check Connections: Ensure the AC wall charger, car charging cable, or solar panel is securely plugged into both...

[Read full answer](#)

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