

Barphygo PYS-PEI-U00300

Barphygo 300W Portable Power Station User Manual

Model: PYS-PEI-U00300

1. INTRODUCTION

The Barphygo 300W Portable Power Station is a versatile and reliable power source designed for various applications, including RV camping, outdoor activities, hiking, and home emergency backup during power outages. This manual provides essential information for safe and efficient operation of your power station.

Equipped with a 294Wh lithium-ion battery pack, this portable generator offers stable and safe 300W power output through its pure sine wave AC outlets. It features multiple output ports to charge up to 7 devices simultaneously, including USB-C PD 60W, USB-A QC3.0 18W, car port, and DC outputs. An ultra-bright LCD display provides real-time information on battery status, charge, and output.

2. PACKAGE CONTENTS

Upon opening the package, please ensure all the following items are included:

- 1x Barphygo 300W Portable Power Station
- 1x AC Adapter (for wall charging)
- 1x Car Charger Cable (for in-car charging)
- 1x User Manual (this document)

LIGHTWEIGHT & PORTABLE



Figure 2.1: Contents included in the Barphygo 300W Portable Power Station package.

3. PRODUCT FEATURES AND COMPONENTS

The Barphygo 300W Portable Power Station is designed with user convenience and safety in mind. Below are its key features and components:

3.1 Output Ports

The power station offers a variety of output ports to accommodate different devices:

- **2x AC Outlets (300W Pure Sine Wave):** For standard household appliances (rated power less than 300W).
- **1x USB-C PD 60W Output:** For fast charging compatible USB-C devices like laptops and smartphones.
- **1x USB-A QC3.0 18W Output:** For quick charging compatible USB-A devices.
- **2x USB-A 5V/2.4A Outputs:** Standard USB-A ports for general device charging.
- **1x Car Port (12V/10A):** For powering 12V car appliances.
- **2x DC Outputs (12V/10A):** For powering compatible DC devices.

300W OUTPUT SOLAR GENERATOR



Light (6W)
41 Hours



Phone(10W)
20 Times



Camera(15W)
17 Times



Drone(40W)
4 Times



Mini Fridge(60W)
4-5 Hours



Laptop(60W)
4 Times



Figure 3.1: Overview of the power station's output ports.

3.2 LCD Display

The ultra-bright LCD display provides crucial information at a glance:

- **Remaining Energy:** Shows the current battery level.
- **Charge Status:** Indicates if the unit is charging.
- **AC Output Status:** Displays the power consumption of AC devices.
- **DC Output Status:** Displays the power consumption of DC devices.

300W PORTABLE POWER STATION GENERATOR WITH SOLAR PANEL



Figure 3.2: The LCD display provides real-time operational data.

3.3 Integrated LED Light

The power station includes a dual flashlight with multiple modes for emergency situations or general illumination:

- **Flashlight Mode:** Provides steady illumination.
- **Strobe Mode:** Flashing light for signaling or attention.
- **SOS Mode:** International Morse code signal for distress.

3 WAYS TO CHARGE

100W Solar Panel
5-7 Hours
(Solar Panel Not Included)

DC Input
5-6 Hours
(Charger is included)

Car Charger
6-8 Hours
(Charger is included)

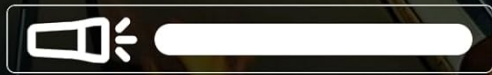
Figure 3.3: LED lighting with various modes for different needs.

3.4 Portable Design

Weighing only 7.41 pounds and with compact dimensions (8.58"L x 5.43"W x 9.88"H), the power station is designed for easy transport with a sturdy integrated handle, making it ideal for on-the-go power needs.



LED LIGHTING YOUR NIGHT



Lighting Modes



SOS Mode



Strobe Mode

Figure 3.4: The compact and lightweight design ensures easy portability.

4. SETUP AND CHARGING METHODS

Before first use, fully charge your power station. The unit can be recharged using three primary methods:

4.1 AC Wall Charging

Use the provided AC adapter to charge the power station from a standard wall outlet. This is the fastest charging method for home use.

- **Charging Time:** Approximately 5-6 hours.

4.2 Car Charging

The included car charger cable allows you to recharge the power station from your vehicle's 12V cigarette lighter socket. This is convenient for road trips and travel.

- **Charging Time:** Approximately 6-8 hours.

4.3 Solar Panel Charging (Optional)

For off-grid charging, the power station can be recharged using a compatible 100W solar panel (not included). Connect the solar panel to the DC input port on the power station. Ensure the solar panel's open circuit voltage is 22V or below to prevent damage.

- **Charging Time:** Approximately 5-7 hours (with 100W solar panel, depending on sunlight intensity).



Figure 4.1: Three convenient ways to recharge your power station.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

To power on the unit, press and hold the main power button for 3 seconds. The LCD screen will illuminate. To power off, press and hold the main power button for 3 seconds again.

5.2 Using AC/DC/USB Outputs

Each output section (DC, AC) has its own ON/OFF button. Press the respective button to activate or deactivate the desired output. The LCD screen will show the active outputs and their power consumption.

- **DC Output:** Press the "DC ON/OFF" button to enable the car port and DC outputs.

- **AC Output:** Press the "AC ON/OFF" button to enable the AC outlets.
- **USB Outputs:** USB-A and USB-C ports are generally always active when the unit is powered on.

Note: When the product is not in use, the AC and DC switches must be turned off to save power. Low power output (6W or below) may not be displayed on the screen. When charging and discharging simultaneously, the input and output wattage will alternate on the monitor display.

5.3 Using the LED Light

To activate the LED light, press and hold the LED light button for 3 seconds. Short press the button to cycle through the lighting modes (Flashlight, SOS, Strobe). To turn off the LED light, press and hold the button for 3 seconds.

6. SAFETY PRECAUTIONS

To ensure safe operation and prolong the lifespan of your Barphygo 300W Portable Power Station, please observe the following safety guidelines:

- Read all instructions before using the product.
- Do not disassemble, repair, or modify the unit. Unauthorized modifications may result in fire, electric shock, or injury.
- Keep the power station away from water, high temperatures, and direct sunlight.
- Do not expose the power pack to fire or excessive temperature.
- Ensure proper ventilation during use to prevent overheating.
- Do not use the power station in an environment with strong static electricity or magnetic fields.
- Avoid dropping the unit or subjecting it to heavy impacts.
- Keep out of reach of children.
- The built-in Battery Management System (BMS) provides protection against overload, overcharge, and short-circuit. However, always ensure connected devices do not exceed the 300W rated power.
- When charging from a solar panel, ensure the open circuit voltage does not exceed 22V.
- Do not use one AC socket to connect multiple devices simultaneously if their combined wattage exceeds the unit's capacity.

7. SPECIFICATIONS

Feature	Specification
Model Number	PYS-PEI-U00300
Brand	Barphygo
Battery Capacity	294Wh (Lithium-ion)
AC Output	2x 120V, 60Hz, 300W (Pure Sine Wave)
USB-C Output	1x PD 60W
USB-A Output	1x QC3.0 18W, 2x 5V/2.4A
DC Output	2x 12V/10A

Feature	Specification
Car Port Output	1x 12V/10A
Charging Input (DC IN)	12-28V (for AC adapter, car charger, solar panel)
LED Light Modes	Flashlight, Strobe, SOS
Dimensions (L x W x H)	8.58" x 5.43" x 9.88"
Item Weight	7.41 Pounds
Material Type	Aluminum

8. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your power station:

- **Regular Recharging:** Please recharge the generator at least once every 1-2 months for better battery maintenance, even if not in active use.
- **Storage:** Store the power station in a cool, dry place away from direct sunlight and extreme temperatures.
- **Cleaning:** Use a dry, soft cloth to clean the exterior of the unit. Do not use abrasive cleaners or immerse the unit in water.
- **Avoid Overloading:** Do not connect devices that exceed the rated output power of the station (300W AC, 10A DC).

9. TROUBLESHOOTING

If you encounter issues with your Barphygo 300W Portable Power Station, please refer to the following common troubleshooting tips:

- **Unit Not Turning On:** Ensure the battery is charged. If the battery is completely depleted, it may take a few minutes of charging before the unit responds.
- **No Output from Ports:** Check if the respective AC or DC output buttons are pressed and their indicator lights are on. Ensure the connected device is functioning correctly and its power requirements do not exceed the station's limits.
- **Slow Charging:** Verify that the charging cable and adapter are securely connected. For solar charging, ensure the solar panel is in direct sunlight and is compatible with the power station's input specifications.
- **Overload Protection:** If the unit shuts down unexpectedly, it might be due to an overload. Disconnect the high-power device and restart the power station.

For further assistance, please contact customer service.

10. WARRANTY AND CUSTOMER SUPPORT

Barphygo is committed to providing high-quality products and excellent customer service. Your Barphygo 300W Portable Power Station comes with a standard warranty. For specific warranty details, please refer to the warranty card included in your package or contact customer support.

If you have any questions, concerns, or require technical assistance, our dedicated customer service team is available 7 days a week, 24 hours a day. Please feel free to contact us, and we will do our best to resolve your

problem promptly.

Contact Information: Refer to your product packaging or the official Barphygo website for the most up-to-date customer service contact details.