

BLUEETTI PS70

BLUEETTI PS70 Portable Power Station User Manual

Model: PS70

1. INTRODUCTION

The BLUEETTI PS70 is a versatile portable power station designed to provide reliable power for various applications, from outdoor adventures and RV travel to home backup during emergencies. Featuring a high-capacity 720Wh LiFePO4 battery and a 500W pure sine wave AC output, it offers a safe and stable power source for a wide range of electronic devices and small appliances. This manual provides essential information for the safe and efficient operation of your BLUEETTI PS70.

2. PRODUCT OVERVIEW

Familiarize yourself with the components and ports of your BLUEETTI PS70 portable power station.

12台設備同時に充電可能！





Image: BLUETTI PS70 Portable Power Station showing its various input and output ports, including AC outlets, USB ports, DC ports, and the LCD screen.

Key Components:

- **DC Input Port:** For charging the power station via AC adapter, car charger, or solar panel.
- **LCD Screen:** Displays battery status, input/output power, and error indicators.
- **Power Button:** Turns the unit on/off.
- **USB-C PD Output Port:** Provides up to 45W for fast charging compatible devices.
- **AC Button:** Activates/deactivates the AC output ports.
- **USB Button:** Activates/deactivates the USB-A and USB-C output ports.
- **DC (5521) Output Ports:** Two ports for 12V DC devices.
- **DC 13V/10A Output Port (Cigarette Lighter):** For automotive accessories.
- **LED Light:** Provides illumination for various situations.

3. SETUP

Before first use, ensure the BLUETTI PS70 is fully charged. Unpack all components and place the unit on a stable, flat surface away from direct sunlight or heat sources.

1. **Initial Charge:** Connect the power station to a wall outlet using the provided AC charging cable. The LCD screen will indicate charging status.
2. **Power On:** Press and hold the main Power Button for a few seconds to turn on the unit. The LCD screen will light up.
3. **Check Battery Level:** Verify the battery level displayed on the LCD screen. It is recommended to fully charge the unit before its first use.

4. CHARGING METHODS

The BLUETTI PS70 supports multiple charging methods to ensure you always have power when you need it.

多様な充電方式に対応



3 時間
家庭用コンセント



3 時間
カー充電



3 時間
ソーラーパネル



Image: The BLUETTI PS70 portable power station being charged by a solar panel on a beach, demonstrating its versatility in charging options.

- **AC Wall Outlet Charging:** Connect the provided AC charging cable to the DC Input Port and then to a standard household wall outlet. The unit can be fully charged in approximately 3 hours.
- **Solar Panel Charging:** Connect a compatible solar panel (12V-45V, max 200W) to the DC Input Port. The integrated MPPT (Maximum Power Point Tracking) controller optimizes solar charging efficiency. Charging time varies depending on sunlight intensity and solar panel wattage.
- **Car Charging:** Use the included car charging cable to connect the power station to your vehicle's 12V cigarette lighter port. This method allows for convenient charging while driving.

The BLUETTI PS70 supports pass-through charging, meaning you can power devices while the unit itself is being charged.

5. OPERATING INSTRUCTIONS

The BLUETTI PS70 offers multiple output options to power a variety of devices. It can simultaneously charge up to 12 devices.

一般的な家電の使用時間



スマホ
50~80回充電



タブレット
20回充電



ノートPC
13時間



デスクトップ
3~4時間



小型冷蔵庫
13~14時間



扇風機
13~14時間



LEDライト
130時間



液晶テレビ
6~7時間



電気毛布
8~9時間



Go Pro MAX
100回充電



プロジェクタ
2~3時間



ドローン
40回充電

※お持ちの家電の消費電力によってなります。
この時間の動作を保するものではありません。



Image: Estimated operating times for common devices when powered by the BLUETTI PS70, such as smartphones (50-80 charges), laptops (13 hours), and mini-fridges (13-14 hours).

Using AC Output:

1. Press the main Power Button to turn on the unit.
2. Press the AC Button to activate the AC outlets. The AC indicator on the LCD screen will light up.
3. Plug your AC-powered devices (up to 500W total) into the AC outlets.
4. After use, press the AC Button again to turn off the AC output to conserve power.

Using DC Output:

1. Press the main Power Button to turn on the unit.
2. The DC output (including 12V DC5521 ports and 13V/10A cigarette lighter port) is typically active when the unit is on.
3. Plug your 12V DC devices into the appropriate ports.

Using USB Output:

1. Press the main Power Button to turn on the unit.
2. Press the USB Button to activate the USB-A and USB-C ports. The USB indicator on the LCD screen will light up.
3. Connect your USB-powered devices. The USB-C port supports up to 45W Power Delivery.
4. After use, press the USB Button again to turn off the USB output.

LED Light Operation:

- Press the LED Light button once to turn on the light.
- Press again to cycle through different brightness modes or SOS mode (if available).
- Press and hold to turn off the LED light.



Image: The BLUETTI PS70 providing illumination with its LED light inside a tent during nighttime camping.

Incompatible Devices:

Avoid connecting high-power appliances that exceed the PS70's 500W rated output. These include, but are not limited to:



Image: Icons indicating high-power appliances such as hair dryers, heaters, toasters, electric kettles, rice cookers, and microwave ovens, which are not suitable for use with the BLUETTI PS70.

- Hair Dryers
- Heaters
- Toasters
- Electric Kettles
- Rice Cookers
- Microwave Ovens

6. SAFETY INFORMATION

The BLUETTI PS70 utilizes a LiFePO4 (Lithium Iron Phosphate) battery, known for its enhanced safety and stability. LiFePO4 batteries are highly stable, with a strong bond between phosphorus (P) and oxygen (O), preventing thermal decomposition up to 600°C. This significantly improves overall safety compared to other lithium-ion chemistries.

- Do not disassemble, repair, or modify the unit.
- Keep the unit away from fire, water, and extreme temperatures.
- Use only BLUETTI-approved charging cables and accessories.
- Ensure proper ventilation during use and charging.
- Keep out of reach of children and pets.
- The output is pure sine wave, ensuring compatibility and safety for sensitive electronics.

7. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your BLUETTI PS70.

- **Storage:** If storing for an extended period, charge the unit to 80% every 3-6 months to maintain battery health. Store in a cool, dry place.
- **Cleaning:** Use a dry, soft cloth to clean the exterior of the unit. Do not use abrasive cleaners or immerse the unit in water.
- **Temperature:** Operate and store the unit within the recommended temperature range specified in the specifications.

8. TROUBLESHOOTING

If you encounter issues with your BLUETTI PS70, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Unit does not turn on	Battery is depleted; Power button not pressed correctly.	Charge the unit; Press and hold the Power button for 3 seconds.
AC output not working	AC output not activated; Overload; Battery too low.	Press the AC button; Reduce load; Recharge the unit.
Slow charging via solar	Insufficient sunlight; Panel not optimally angled; Incompatible panel.	Ensure direct sunlight; Adjust panel angle; Check panel specifications.
LCD screen error message	Internal fault; Over-temperature; Over-voltage.	Refer to the specific error code in the full manual (if available); Contact customer support.

If the problem persists, please contact BLUETTI customer support for assistance.

9. SPECIFICATIONS

Detailed technical specifications for the BLUETTI PS70 Portable Power Station.



Image: Dimensions of the BLUETTI PS70 portable power station, measuring 35 cm in length, 17 cm in width, and 23 cm in height.

Feature	Specification
Model	BLUETTI PS70
Battery Type	LiFePO4 (Lithium Iron Phosphate)

Feature	Specification
Capacity	720Wh
Rated AC Output Power	500W (Pure Sine Wave)
Peak AC Output Power	1000W
Cycle Life	2500+ cycles
Solar Charging Input	12V-45V, Max 200W (MPPT)
USB-C Output	45W Max (Power Delivery)
Dimensions (L x W x H)	35 cm x 17 cm x 23 cm

10. WARRANTY AND SUPPORT

BLUETTI products come with a manufacturer's warranty to ensure your peace of mind.

- **Warranty Period:** The BLUETTI PS70 includes a 24-month warranty from the date of purchase.
- **Coverage:** This warranty covers defects, damage, incorrect delivery, and malfunctions that occur under normal use. Free repair or exchange will be provided for eligible issues.
- **Contact Support:** If you experience any issues with your product, please contact BLUETTI customer support immediately for prompt assistance. Ensure to check your spam folder if you do not receive a timely response.

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