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BLUETTI EB70S

BLUETTI Portable Power Station EB70S User Manual

MODEL: EB70S

1. Introduction

Thank you for choosing the BLUETTI EB70S Portable Power Station. This device is a versatile and reliable power solution designed for various applications, including off-grid living, outdoor adventures, and emergency home backup. Featuring a 716Wh capacity and an 800W pure sine wave AC inverter, the EB70S provides stable and safe power for a wide range of electronic devices and small appliances. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your power station.

2. Safety Information

- Do not disassemble, repair, or modify the unit.
- Keep the unit away from fire or high temperatures.
- Do not expose the unit to water or other liquids.
- Ensure the total power of connected devices does not exceed 800W to prevent inverter shutdown.
- Be aware that some devices with motors or compressors may have an instant start-up power 2-4 times higher than their rated power, which could exceed the EB70S's limit.
- Use only approved charging cables and adapters.
- Keep out of reach of children and pets.
- Store in a cool, dry place away from direct sunlight.

3. Product Overview and Components

The BLUETTI EB70S is equipped with multiple input and output ports to accommodate various charging and powering needs. Familiarize yourself with the unit's layout and included accessories.



Front view of the BLUETTI EB70S portable power station, highlighting its various output ports and digital display.

Included Components:

- 1 x BLUETTI EB70S Portable Power Station
- 1 x 200W AC Adapter
- 1 x Car Charging Cable
- 1 x Solar Charging Cable (DC7909 to MC4)
- 1 x User Manual

Key Features:

- 716Wh LiFePO4 Battery Capacity
- 800W Pure Sine Wave AC Inverter (1400W Peak)
- 4 x 110V AC Outlets
- 2 x 100W USB-C PD Ports
- 2 x 5V/3A USB-A Ports
- 2 x Regulated 12V/10A DC Outputs
- 1 x 12V/10A Car Port
- 1 x 15W Wireless Charging Pad
- Built-in LED Light with 3 Modes

12 VERSATILE OUTLETS

Power all your essentials anywhere.



AC Outlets



Wireless Output



USB-C



DC5521



Car Port



USB-A



An illustration detailing the 12 versatile output options of the BLUETTI EB70S, including AC outlets, wireless charging, USB-C, DC5521, car port, and USB-A.

4. Setup and Initial Charging

Before first use, it is recommended to fully charge your BLUETTI EB70S.

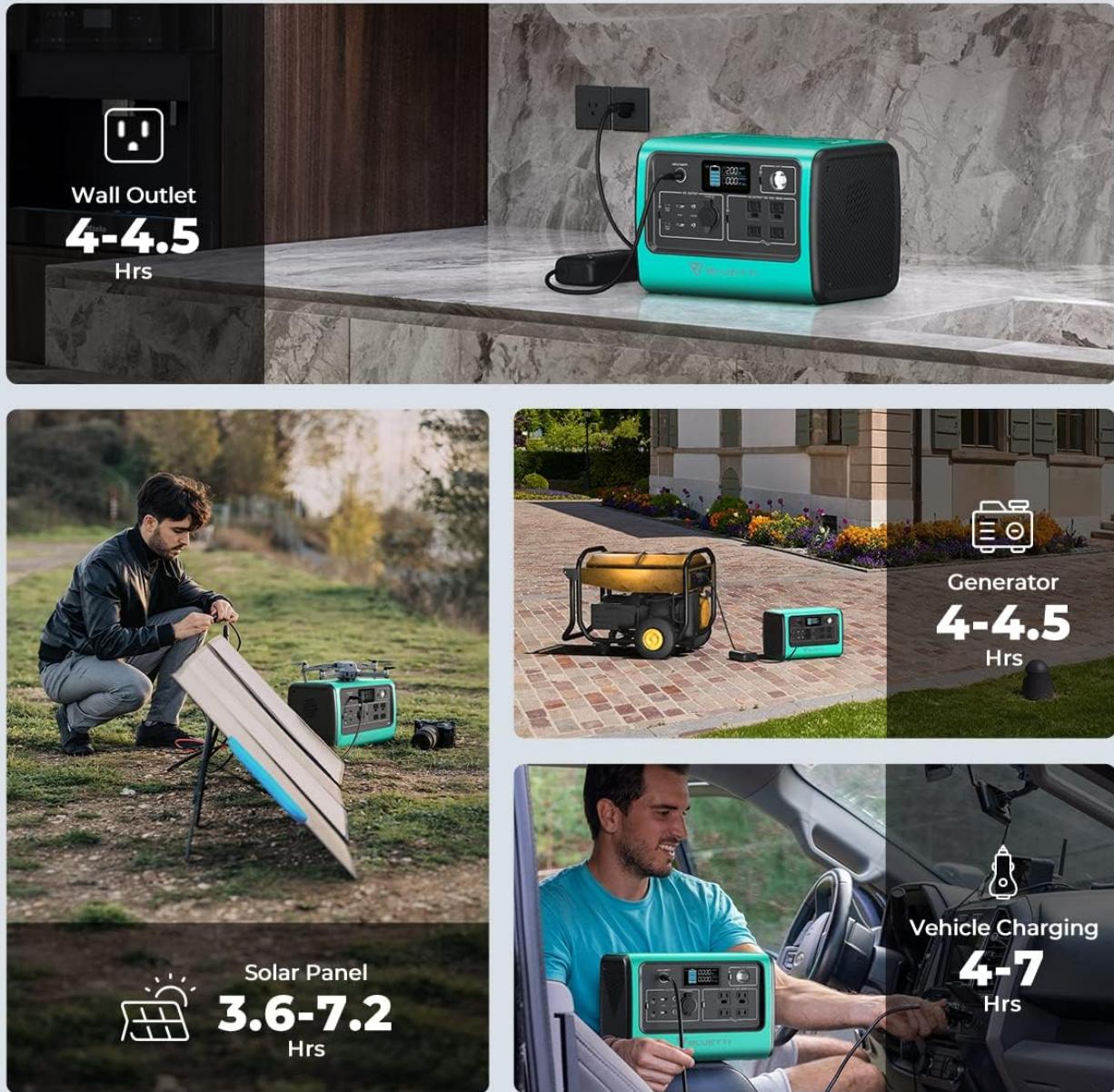
Initial Charging (AC Wall Outlet):

1. Connect the provided 200W AC Adapter to the EB70S's input port (Input/MPPT).

2. Plug the AC adapter into a standard wall outlet (110V/60Hz).
3. The display will show charging progress. A full charge from 0-100% typically takes 4-4.5 hours.

4 WAYS TO RECHARGE

Max. 200W input



Visual representation of the four charging methods for the BLUETTI EB70S: wall outlet, solar panel, generator, and vehicle charging.

5. Operating Instructions

The BLUETTI EB70S offers various output options to power your devices.

Turning On/Off:

- Press and hold the main power button to turn the unit on or off.

Using AC Outlets:

- Press the AC power button to enable the AC outlets. The indicator light will illuminate.
- Plug your devices into the 110V AC outlets. Ensure the total power consumption does not exceed 800W.
- Press the AC power button again to disable the AC outlets when not in use.

Using DC Outputs (USB-A, USB-C, DC5521, Car Port):

- Press the DC power button to enable the DC outputs. The indicator light will illuminate.
- Connect your devices to the appropriate USB-A, USB-C (100W PD), DC5521, or 12V car port.
- Press the DC power button again to disable the DC outputs.

Wireless Charging:

- Place your Qi-compatible device on the wireless charging pad located on top of the unit.
- Ensure the device is properly aligned for optimal charging.

LED Lighting:

- Press the light button to cycle through the three modes: Low brightness, High brightness, and SOS flashing.

ECO Mode:

- The EB70S features an ECO mode that automatically shuts off the unit if it's left on for four hours with no load connected. This conserves battery life.
- Refer to the display or user interface for options to enable or disable ECO mode.

Estimating Working Time:

The approximate working time for your device can be estimated using the following formula:

Working time (estimation) = $716\text{Wh} * 0.85 / \text{operating power of your device (in Watts)}$

Note: 0.85 is the conversion rate. Actual working time may vary based on device power consumption, usage patterns, and environmental factors.

PERFECT SIZE FOR CAMPING

Designed for life on the go.



Phone (10Wh)

65 Times



Electric Blanket (120W)

5 Hrs



Mini Fridge (60W)

11 Hrs



Slow Cooker (200W)

3 Hrs

800W
output

716Wh
capacity



The BLUETTI EB70S powering various devices like a phone, electric blanket, mini-fridge, and slow cooker, illustrating its 800W output and 716Wh capacity.

6. Charging the EB70S

Your BLUETTI EB70S can be recharged via AC wall outlet, solar panels, or a car port.

AC Wall Charging:

- Using the included 200W AC Adapter, the unit can be fully recharged in approximately 4-4.5 hours.

Solar Charging:

- The solar panel must have an Open Circuit Voltage (OCV) between 12V-28V.
- It must be equipped with an MC4 Connector. If your panel has an Anderson connector, an Anderson to MC4 cable (purchased separately) is required.
- With a maximum input of 200W, the power station can be fully recharged in 4-4.5 hours under optimal solar conditions.
- Recommended BLUETTI Solar Panels: 1 x BLUETTI SP200 (200W) for 5-6 hours recharge, or 1 x BLUETTI SP120 (120W) for 7-8 hours recharge.
- *Note: Actual charging time depends on weather, solar conditions, and the angle of the solar panels.*

Car Charging:

- The EB70S can be recharged from a 12V car port in approximately 7-8 hours using the provided car charging cable.

GO SOLAR. GO LONGER.

Be the solution, not the pollution.



0 to 100% in
3.6 hours*



Max. 200W
solar input



* Data based on using 1xPV200 (not included) in ideal conditions.

The BLUETTI EB70S connected to a solar panel, emphasizing its solar charging capability and portability for outdoor use.

7. Maintenance

Proper maintenance ensures the longevity and optimal performance of your BLUETTI EB70S.

Battery Care:

- The EB70S uses an ultra-stable LiFePO4 battery, offering 2500+ life cycles before reaching 80% of its original capacity.

- For optimal battery health, avoid completely draining the battery frequently.
- Store the unit with at least a 50% charge if not used for extended periods, and recharge every 3-6 months.

Cleaning:

- Use a dry, soft cloth to clean the exterior of the unit.
- Do not use abrasive cleaners or solvents.
- Keep ventilation openings clear of dust and debris.

Storage:

- Store the unit in a cool, dry, and well-ventilated area.
- Avoid extreme temperatures and direct sunlight.

POWER-PACKED LiFePO₄

Reliable and durable to last 6x longer.*



* After 2500+ cycles, the LFP battery remains around 80% of its original capacity and lasts 6-8 times longer than conventional ones.

An internal diagram of the BLUETTI EB70S, showcasing its LiFePO4 battery cells and Battery Management System (BMS) for enhanced durability and safety.

8. Troubleshooting

This section addresses common questions and issues you might encounter.

Q1: What devices can be charged/powered by BLUETTI EB70S?

A: The maximum output power of the EB70S is 800W. Ensure the total power of your devices does not exceed 800W, or the inverter will shut down automatically. For devices with motors or compressors, the instant start-up

power may be 2-4 times more than the rated power, potentially exceeding the EB70S's upper limit.

Q2: How long will EB70S power my device?

A: Working time (estimation) = 716Wh * 0.85 / operating power of your device. The actual working time may vary under different situations due to factors like device efficiency, temperature, and usage patterns.

Q3: What kind of solar panel can charge this EB70S?

A: The solar panel must meet two criteria: 1) Open Circuit Voltage (OCV) between 12V-28V; 2) Equipped with an MC4 Connector. If your panel has an Anderson connector, you will need to purchase an Anderson to MC4 cable separately.

Q4: Can it charge and discharge simultaneously?

A: Yes, the EB70S supports pass-through charging. Equipped with the premium LiFePO4 battery and advanced Battery Management System (BMS), you can use it while it is being charged.

9. Specifications

Feature	Specification
Brand	BLUETTI
Model Name	EB70S
Battery Type	LiFePO4 (Lithium Iron Phosphate)
Capacity	716 Watt-hours
AC Output (Pure Sine Wave)	4 x 110V/60Hz, 800W (Rated), 1400W (Peak)
USB-C Output	2 x 100W PD Ports
USB-A Output	2 x 5V/3A Ports
DC Output	2 x Regulated 12V/10A Ports
Car Port	1 x 12V/10A Port
Wireless Charging	1 x 15W Pad
AC Input	200W (Adapter Included)
Solar Input	12V-28V, Max. 200W (OCV)
Dimensions (L x W x H)	9.8" x 5.9" x 7.1"
Item Weight	7.9 Pounds
Life Cycles	2500+ to 80% capacity

10. Warranty and Support

BLUETTI provides comprehensive support for its products.

Warranty:

The BLUETTI EB70S Portable Power Station comes with a **2-year warranty** from the date of purchase. Please retain your proof of purchase for warranty claims.

Customer Support:

For any questions, technical assistance, or warranty inquiries, please contact BLUETTI customer service. Refer to the official BLUETTI website or the contact information provided with your purchase for the most up-to-date support channels.

Related Documents - EB70S

	<p><u>BLUETTI EB70 716Wh Portable Power Station User Guide</u></p> <p>A quick guide to the BLUETTI EB70 portable power station, covering safety instructions, general specifications, input/output details, charging times, device compatibility, and maintenance.</p>
	<p><u>BLUETTI EB70S Portable Power Station User Manual 716Wh 800W</u></p> <p>Comprehensive user manual for the BLUETTI EB70S portable power station. Learn about its features, operation, specifications, charging, and safety instructions for this 716Wh, 800W solar generator.</p>
	<p><u>BLUETTI EB70 716Wh Portable Power Station User Manual</u></p> <p>Comprehensive user manual for the BLUETTI EB70 portable power station, detailing its features, specifications, charging methods, safety instructions, and troubleshooting for reliable backup and outdoor power.</p>
	<p><u>BLUETTI EB70S 716Wh Portable Power Station User Manual</u></p> <p>Comprehensive user manual for the BLUETTI EB70S portable power station, detailing its features, operation, charging methods, technical specifications, and safety guidelines.</p>
	<p><u>BLUETTI EB70S User Manual: Portable Power Station Guide</u></p> <p>Comprehensive user manual for the BLUETTI EB70S portable power station. Learn about its features, specifications, operation, charging methods, discharging capabilities, safety guidelines, and technical support.</p>



[BLUETTI EB70 Portable Power Station User Manual](#)

Comprehensive user manual for the BLUETTI EB70 portable power station. Learn about its features, specifications, operation, safety guidelines, charging methods (AC, PV, Car, Generator), discharging capabilities, and technical support.