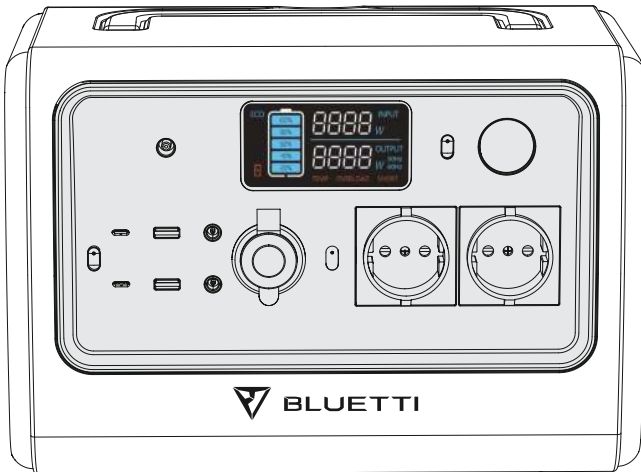


# BLUETTI EB70

## User Manual



# Thank You

Thank you for making BLUETTI a part of your family.

From the very beginning, BLUETTI has tried to stay true to a sustainable future through green energy storage solutions for both indoor and outdoor use while delivering an exceptional eco-friendly experience for our homes and our world.

That's why BLUETTI makes its presence in 70+ countries and is trusted by millions of customers across the globe.



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# Before You Begin

The information contained herein is subject to change without notice.

For the latest version, please visit <https://www.bluettipower.com/pages/user-guides>.

- The user manual contains instructions and notes on the operation and use of this unit.
- BLUETTI recommends that you use genuine accessories from BLUETTI.
- BLUETTI shall not be responsible for any damage or expense that might result from the use of parts other than genuine parts from the BLUETTI.
- For your safety and benefit, please read carefully before using and keep it handy for future reference.

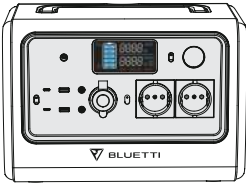
# Safety Instructions

Failure to follow these guidelines may cause damage to your unit and injury to yourself or others.

- Keep this unit away from fire, humidity and dust.
- Make sure the place where you are using the unit is well ventilated and spacious.
- DO NOT place the unit on an unstable or tilted surface.
- Turn off the unit IMMEDIATELY in case of malfunction.
- When not using the unit for extended periods of time, power off the unit and disconnect the AC adapter from the outlet.
- Recommended storage temperature: 14-113°F/-10-45°C.
- Charge the unit to 80% SOC every 3-6 months for long-term storage.

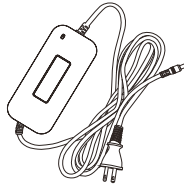
# What's In The Box

## Standard Packaging



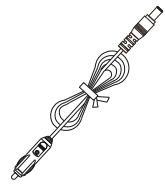
①

Power Station



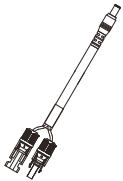
②

AC Adapter



③

Car Charging Cable



④

Solar Charging Cable



⑤

User Manual



⑥

Warranty Card

\* AC Adapter: 120cm/47in.

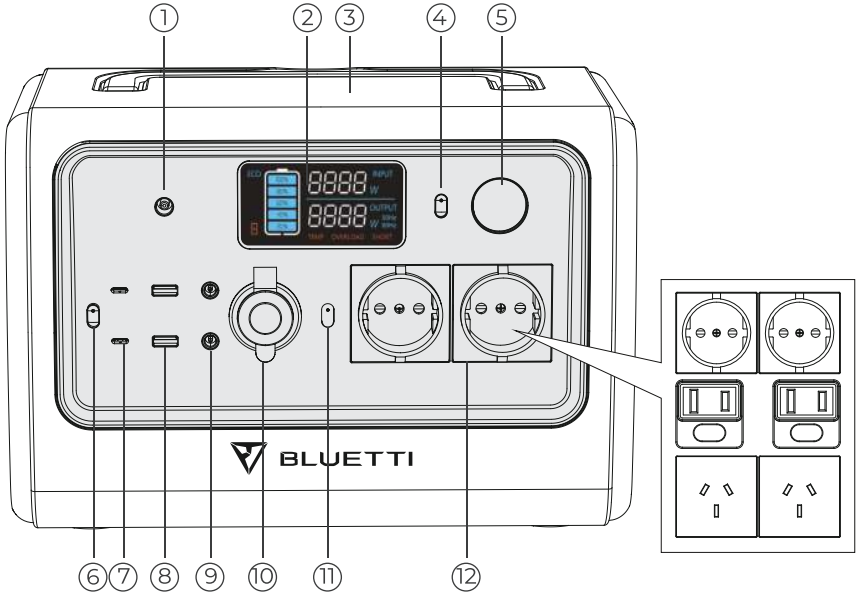
Car Charging Cable: 72cm/28in. Cigarette lighter port to DC7909.

Solar Charging Cable: 150cm/59in. MC4 to DC7909.

**Note:** Package details are subject to change without prior notice.

# Product Overview

## Diagram



- |                          |                            |
|--------------------------|----------------------------|
| 1. Charging Port         | 7. USB-C Port              |
| 2. LCD Screen            | 8. USB-A Port              |
| 3. Wireless Charging Pad | 9. DC5521 Port             |
| 4. LED Lamp Button       | 10. Cigarette Lighter Port |
| 5. LED Lamp              | 11. AC Power Button        |
| 6. DC Power Button       | 12. AC Outlet              |

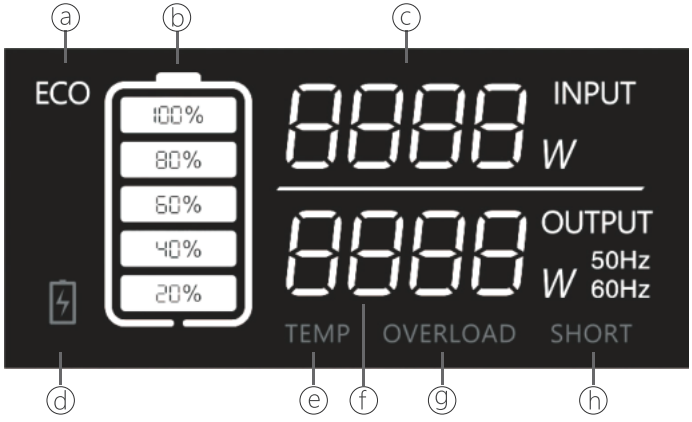
## Specifications

EB70		
<b>General</b>		
Battery Capacity	716Wh	
Cell Type	LiFePO4	
Dimensions (L*W*H)	12.6*8.5*8.7IN/320*216*221MM	
Weight	21.4LB/9.7KG	
Discharging Temperature	-4-104°F/-20-40°C	
Charging Temperature	32-104°F/0-40°C	
Working Humidity	10-90%	
<b>AC Output</b>		
Power	120V	800W
	220-240V	1000W
Surge	1400W	
Frequency	50-60Hz	
<b>DC Output</b>		
Cigarette Lighter Port *1	Voltage	12VDC
	Current	10A
DC5521 *2	Voltage	12VDC
	Current	10A
USB-A *2	Voltage	5VDC
	Current	3A
USB-C PD3.0 *2	Power	100W Max. (5/9/12/15/20VDC, 3A; 20VDC, 5A)
Wireless Charging *1	Power	15W Max.
<b>AC Input</b>		
Power	200W Max.	
Voltage	12-28VAC	
Current	8A Max.	
<b>PV Input</b>		
Power	200W Max.	
Open Circuit Voltage (OCV)	12-28VDC	
Current	8A Max.	
<b>Car Charging</b>		
Voltage	12-24VDC	
Current	8A Max.	



# Operation

## LCD Screen



- a: ECO Mode
- b: Battery Capacity
- c: Input Power
- d: Low-battery Alert
- e: Temperature Anomaly Alert
- f: Output Power
- g: Overload Alert
- h: Short-circuit Alert

## Powering On/Off

**Powering on:** Press the AC/DC Power Button to start up corresponding output.

Green light(on the button)	ON
LCD Display	ON*

\*The LCD screen is on for about 30-60 seconds. Please enable at least one of these ports (AC/DC) if you want the display to stay on longer.

**Note:** Please turn on the DC power to enable the wireless charging.

**Powering off:** Press and hold power buttons to shut down corresponding output.

Green light(on the button)	OFF
LCD Display	OFF

## Mode

**Setting Mode:** When the AC output is off, press AC and DC power buttons simultaneously and the frequency indicator flashes.

**ECO Mode<sup>1</sup>:** Under 'Setting Mode', press the DC power button to turn it on/off.

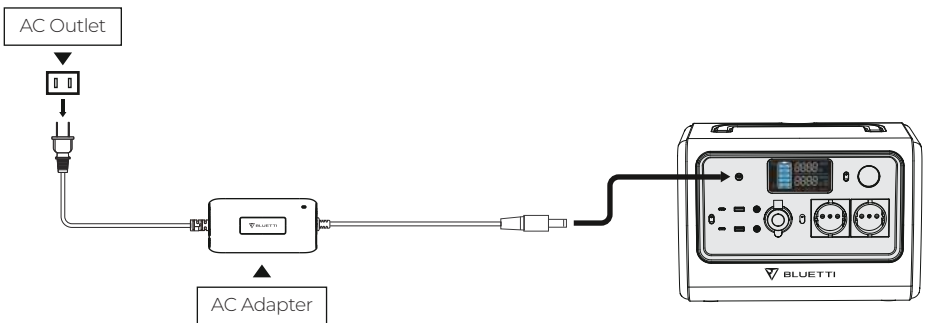
## Setting

**AC Frequency<sup>2</sup>:** Under 'Setting Mode', press the AC power button to switch.

## Charging

### AC Charging

Simply plug the EB70 into a standard wall outlet and start charging.



<sup>1</sup>When on this mode, the AC output will automatically turn off after 4-hour low ( $\leq 10W$ ) or no load to save power.

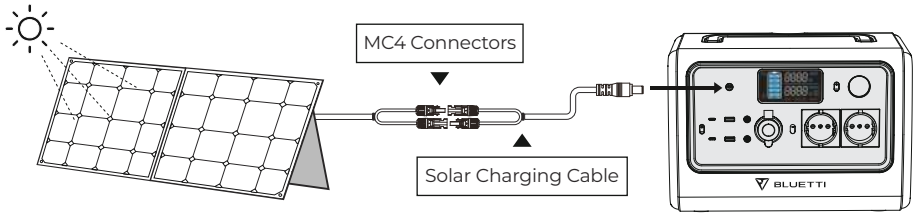
<sup>2</sup> AC Frequency: The number of alternating cycles per second in an AC sine wave. The utility frequency is usually 50/60Hz.

## PV Charging

Connect the solar panels (in series or parallel) to EB70 via the solar charging cable.

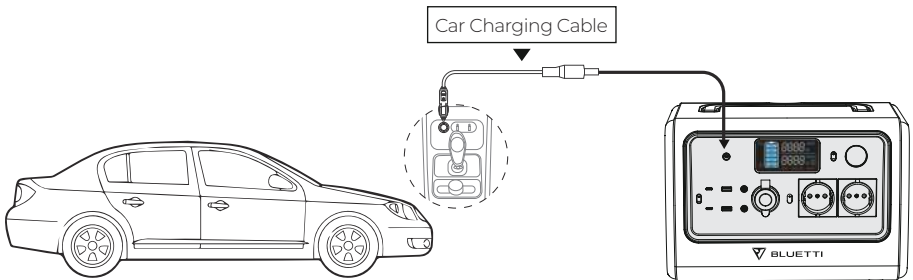
**Note:** Please make sure your solar panels comply with:

OCV<sup>3</sup>: 12-28V    Input Current: 8A Max.    Input Power: 200W Max.



## Car Charging

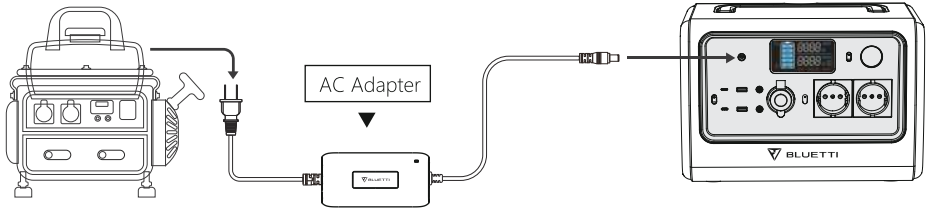
Connect the EB70 directly to the vehicle plug-in cigarette lighter port via the car charging cable.



<sup>3</sup>OCV: Open circuit voltage. The maximum voltage that the solar panel can produce with no load on it.

## Generator Charging

Connect the AC adapter input plug to the generator while the output plug goes to the charging port of EB70.



## Discharging

Smart Phone Around 50-60 Times 10Wh	LED Light Bulb Around 20-30 Hrs 20W	Television Around 7-8 Hrs 75W
Electronic Tools Around 7-8 Hrs 80W	Refrigerator Around 6-7 Hrs 90W	Slow Cooker Around 2-3 Hrs 200W

$$716\text{Wh} \times \text{DoD} \times \eta \div (\text{load power}) = \text{charging time (estimated)}$$

**Note:** DoD refers to the Depth of Discharge,  $\eta$  is the local inverter efficiency. DoD=90%,  $\eta$ =90%.

Load power and charging time are measured in Watt and Hour.

# Appendix

## FAQs (Frequently Asked Questions)

**Q: How do I know whether my devices will work well with this product?**

A: Please evaluate the total constant load of your appliances. If it doesn't exceed the Max. output power of EB70, you can use this power station to charge.

**Q: Can I use third-party solar panels to charge this product?**

A: Yes, you can. As long as the specs of solar panels you're using fall in below range:

OCV: 12-28V

Input Current: 8A Max.

Input Power: 200W Max.

With the same power connector (MC4 or Anderson)

**Q: Is there a button to turn on/off the wireless charging?**

A: Yes. Press the DC Power Button to enable the wireless charging.

**Q: Can it charge and discharge at the same time?**

A: Yes. It supports pass-through charging. EB70 comes with the premium LiFePO<sub>4</sub> battery and proprietary Battery Management System to ensure that it can charge and discharge at the same time.

**Q: How can I clean this EB70 power station?**

A: Using dry and non-abrasive cloths to wipe will be perfect.

## Technical Support

Should you require any further assistance, please do not hesitate to contact BLUETTI service team.

## BLUETTI POWER INC

Web: <https://www.bluettipower.com/>

Tel: 833-988-3663 / 702-463-4792

Mail: [service@bluettipower.com](mailto:service@bluettipower.com)

Add: 6185 S Valley View Blvd Ste D. Las Vegas, NV 89118.

**EU REP**

Company: POWEROAK GmbH

Address: Lindwurmstr. 114, 80337 München Germany

Mail: [logi@bluetti.de](mailto:logi@bluetti.de)

**UK REP**

Company: POWEROAK ENERGY UK CO.,LTD

Address: Suite 108 Chase Business Center 39-41

Chase Side London United Kingdom N14 5BP

Mail: [poweroak.eu@bluetti.com](mailto:poweroak.eu@bluetti.com)

