

# FAQ

## 1. Q:Can it charge and discharge at the same time?

A:Yes.

## 2. Q:How do I know whether my appliance can work well with the Bluetti power station?

A:Calculate the total wattage of your devices. Bluetti power station would work if the load doesn't exceed its rated power.

(NOT suitable for inductive loads with compressors, like refrigerator, air conditioner, etc.Asking the technical support team to learn more)

## 3. Q:How long can it run my device?

A:Running time = Battery capacity × DoD × n+ Device rated power.

DoD refers to Depth of Discharge and n is local inverter efficiency.

For example,EB3A, both DoD and n are 90%.

If you run a 100W LED Light with it, the running time will be:

$268\text{Wh} \times 90\% \times 90\% \div 100\text{W} \times 2.17\text{hrs}$

### Note:

1)The formula is NOT suitable for inductive loads with compressors, like refrigerator, air conditioner, etc.

2) The above data is for reference ONLY.

## 4. Q:Factors influencing the conversion rate of solar panels?

A:Influencing Factors:

1)The amount of sunlight

2) Conversion rate of solar panels

3) The angle you place the solar panel

4) The length of the solar cable

If the solar panel conversion rate is 70%, only 70W of 100W solar panels is available.

If the sun's light is too weak, the conversion will also fall.

5) If the temperature is too high, the panel's conversion rate will get worse

**5. Q:How to determine whether solar panels of other brands can be used for Bluetti power station?**

**A:**The solar panel must meets:

- 1)Open Circuit Voltage(OCV) of Bluetti power station.
- 2)MC4 Connector

**Tips:**

make sure the total OCV(open circuit voltage) is no more than maximum open circuit voltage of Bluetti power station if you connect several solar panel in series.

**6. Q:Why does this power station lose charge even with no devices connected?**

**A:**The AC inverter, DC regulator, or LCD screen will consume a certain amount of power under standby mode, so please long press the AC/DC Power Button to shut down the unit completely when not in use.

**7. Q:Are the Bluetti power station and solar panel waterproof?**

**A:**No. Also, please do NOT store it in a humid environment for a long time.

**8. Q:Is it possible to replace the built-in battery?**

**A:**No. If the internal battery pack malfunctions, please contact BLUETTI Customer Service.

**9. Q:Can it be laid on its side to save space?**

**A:**No. Because that may loose the internal structure. Please keep it upright to ensure its performance.

**10. Q:I'd like more tutorial videos on the Bluetti power station.**

**A:**Sure, please follow [BLUETTI Support](#) on YouTube.