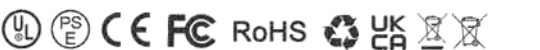
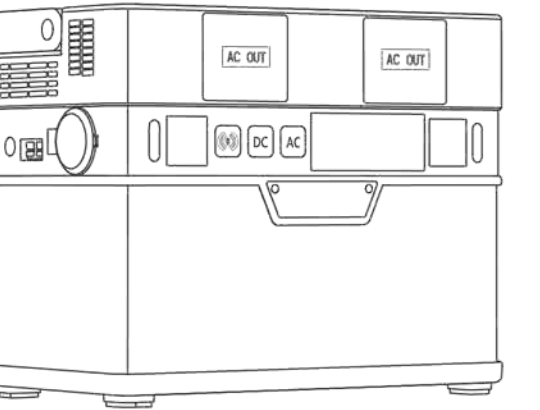


ALLPOWERS®
Portable Power Station
Model:AP-SS-005



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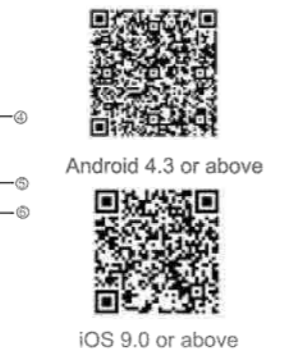
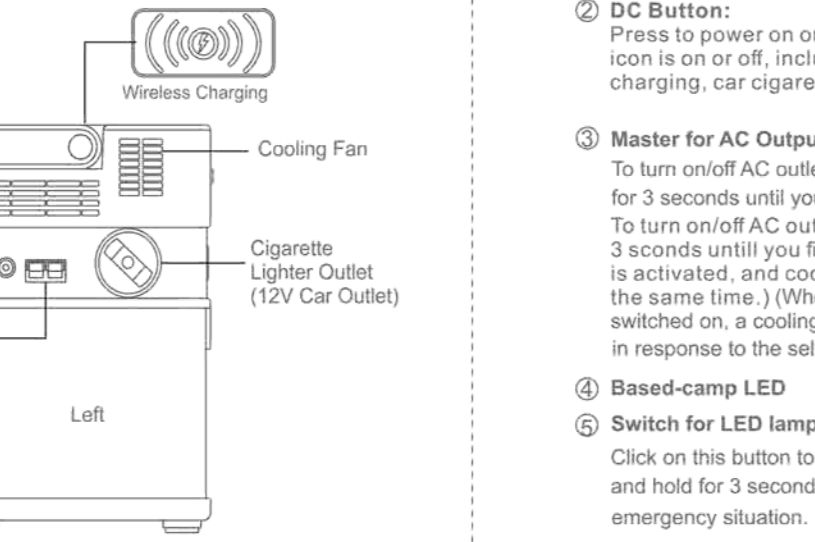
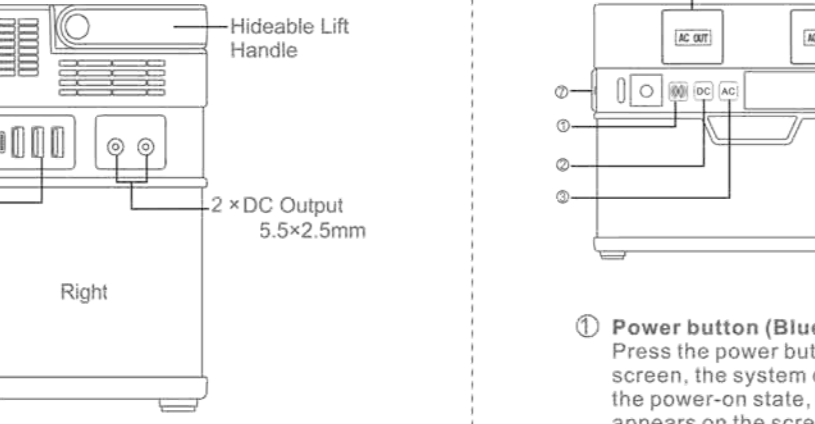
The products and materials described in this manual will be changed due to technical upgrades, we reserve the right to change the contents of this manual without inform in advance.

Congratulations on your power station purchase, a plug-and-play backup power integrates with solar regulating, storable energy system and cloud-based parental controls (Bluetooth app allows you to monitor solar charging at your figure-tips). With 288 watt-hours of power, you can keep your laptops, lights, AC/DC appliances running longer. Welcome to the solar life.

Precautions before operating:

1. First, you need to ensure the power level of this power station is not too low before take it outdoor. It is capable of charging and discharging at the same time, but solar charging is affected a lot by weather.
2. Lion-batteries cycle life can extend a lot with proper handling and usage. The most important note: you need to use it at room temperature: 0 ~ +40(°C)/32~104(°F). Do make sure to avoid humid environment and do not store outside.
3. Be sure the rated running power of your device <=300W, and the peak power <500W. In some cases, the instantaneous power of particular appliances is 3 times higher than their rated running power.
4. It is normal for this unit to become warmer during charging/discharging. Please use it in a cool and well-ventilated place. (Keep it clear from naked flames, sparks or conductive materials when charging the battery).
5. Voltage and frequency from AC source might vary from country to country (US/JP 110V 60Hz or EU/UK230V AU 240V 50Hz). Please follow the local regulation to choose the correct version before using.

Get To Know Your Gear

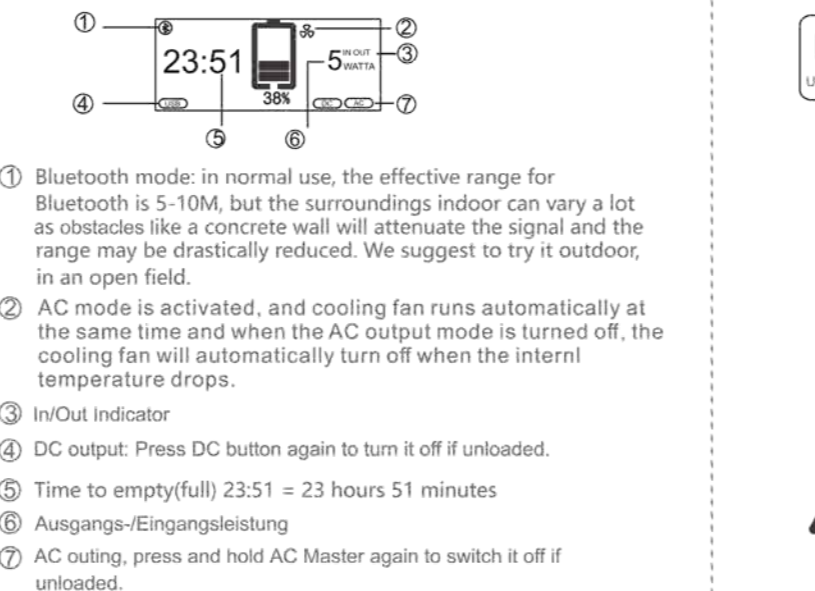


1. **Power button (Bluetooth):** Press the power button to turn on and wake up the LCD screen, the system displays the current battery level, in the power-on state, long press the button until an "i" appears on the screen to enter the Bluetooth mode, then scan QR code to download APP and allow this APP to use your location, then do the registration.
2. **DC Button:** Press to power on or off, at the same time the DC output icon is on or off, including USB output port, wireless charging, car cigarette lighter, DC5525 port.
3. **Master for AC Outputs** To turn on/off AC outlets, we need to press and hold for 3 seconds until you find the AC icon appears. To turn on/off AC output, we need to long press for 3 seconds until you find the AC icon appears. (AC mode is activated, and cooling fan runs automatically at the same time.) (When AC mode is switched on, a cooling fan will run for about one second in response to the self-testing ahead of AC mode.)
4. **Based-camp LED**
5. **Switch for LED lamp (Right / Left)** Click on this button to turn on LED lamp and you can press and hold for 3 seconds to enter flash-light mode in emergency situation.
6. **Real-Time LCD Display**
7. **12V Car Outlet**

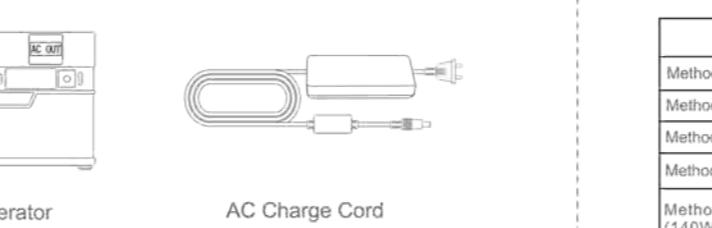
APP



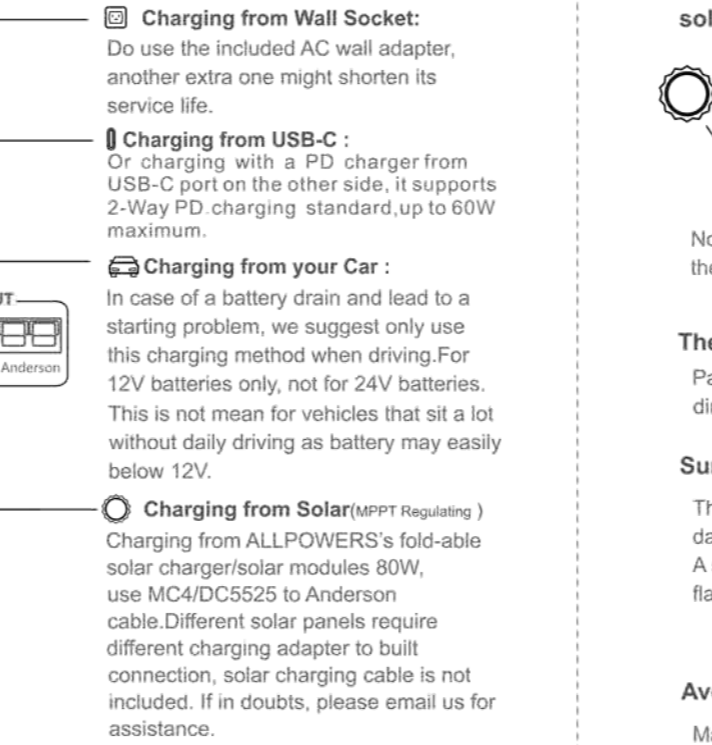
Real-time LCD Displays



What's included



Charging your Power Station



Three charging methods: DC port, USB-C port, Anderson port. Support DC port + USB-C port, or Anderson port + USB-C port to charge at the same time, the maximum input power is 140W..

Time of year

The amount of daylight changes from season to season. But for temporary solar charging, it is essential to know that cold weather will not negatively affect the performance of the panel's as they run on light, not heat.

Using Your Power Station to Power Devices

1 x USB-C: for smartphones, mini laptops equipped with PD fast charging standard, two way PD out up to 100W.

Common variables that affect performance of solar charging:



Note: you can shorten the charging time by turning off the laptop.

The ideal time of day

Panels operate with high efficiency when the sun is direct-typically around mid-day.

Sunlight and its angle

The brighter the sun is shining, and the clearer the day is, the better the panels will work. A south facing panel angle at 30-60 degrees from a flat surface will harvest the solar energy more.

Avoid any possible shelter

Make sure your panels are free of shade, even minor or partial shading reduces yields. Additionally, any dirt accumulated might decrease the wattage over time, so periodically cleaning the panel is recommended.

Fully Reference Time (Only for reference, take practicality as standard.)

Charging Ways	Estimated Charging Time
Method 1: Wall charger (60W maximum input)	about 5-6 hours
Method 2: Car cigarette lighter (80W maximum input)	about 4-5 hours
Method 3: Solar charging (MPPT 80W maximum input)	about 4-5 hours
Method 4: USB-C charger (60W maximum input)	about 5-6 hours
Method 5: Method 1/2/3 + Method 4 (140W maximum input)	about 2-3 hours

Wireless Charging

Output: DC5V1A at Max. Transmit distance:5-8 mm. Transmit conversion: >=72%. Charging frequency:110-205 KHz. Compatibility: it supports most smartphones that equipped with Qi standard technology or other Qi-enabled devices. For other devices, please pair with a Qi receiver. The case of certain phones (especially thicker ones), metal objects like metal phone cases and plates for magnetic attachment might interfere with wireless charging. Please remove before charging. For best charging performance, your phone must always be placed at the center of the charging area. During the charging time, the charging area might get warmer.

Reference Running Time for common appliances

5W	45-50 hours
60W	3.5-4.5 hours
40W	6-8 hours
10W	20-23 hours
30W	8-9 hours
50W	5-6 hours
30W	8-9 hours
120W	2-2.5 hours

Specifications

Batteries capacity	78000mAh 3.7V (288Wh)
Size/Weight	206x165x110mm/8.1x6.5x 4.3 inch 3.4 kg/7.6 lb
In(cigar lighter not included)	Voltage 12-20V Current 5A Max.
In(Solar, MPPT)	Voltage 16.6-22V Current 5A Max.
In(AC)	Voltage 100-240V to 20V Current 5A Max. Please do use the adapter(20V~3.0A) included, DO NOT use an extra or different one.
Out(AC)	2 x US/JP 110V 300W or EU/UK 230V AU 240V 300W (Surge power 500W)
Out(DC)	3 x USB-A: 5V3.0A (Three ports total 7.2 A maximum.) 2 x DC5525(1 x Car Outlet: 12V5.0A (Three ports total 5.0 A maximum.) 1 x USB-C: (Two-way PD in 60W/outing 100W maximum.) Wireless charging: 5V1A

FAQ

1. Can I use the generator while it is recharging? Yes, it is capable of outputting power while charging.
2. How often does this have to be recharged when not in use? We suggest to recharge it via wall outlets at least once every 3 months. Or, low battery might aggravate self-discharging problems, and the battery cycle life will be worn out sooner.
3. What size of solar panel in watts will be the best panel to charge this unit? It is recommended to choose a 100-140W solar panel to charge the power station, the charging time is about 4-5 hours (the charging time depends on the weather conditions).

Disposal Guide

1. If conditions permit, make sure that the battery is fully discharged before disposing it in a designated battery recycling bin. The product contains batteries with potentially dangerous chemicals, so it is strictly prohibited to dispose of it in ordinary trash cans. For more details, please follow the local laws and regulations on battery recycling and disposal.
2. If the battery cannot be fully discharged due to a product failure, please do not dispose of the battery directly in the battery recycling box. In such case, you should contact a professional battery recycling company for further processing.
3. Please dispose of over-discharged batteries that cannot be recharged.

Contact Us

If you have any concern regarding our products or services, please email us to support@allpowers.com we will feedback with our assistance within 1 working day. Please also advise us by providing a statement of how the failure occurred and the details of the issue. Website: www.allpowers.com