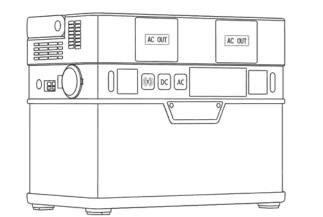
S300 V2.0

AP ALLPOWERS **Portable Power Station**

Model:AP-SS-005







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.

DC Input

Solar Input

(Anderson

Powerpole

Connector)

i) Precautions before operating:

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

power, you can keep your laptops, lights, AC/DC

charging at your figure-tips). With 288 watt-hours of

appliances running longer. Welcome to the solar life.

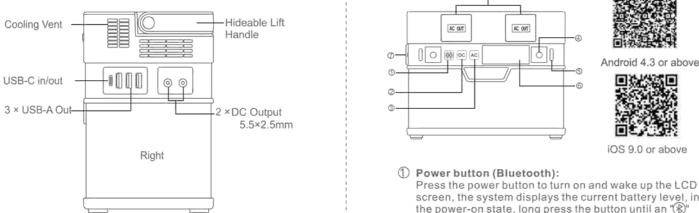
2. Lion-batteries cycle life can extend a lot with proper

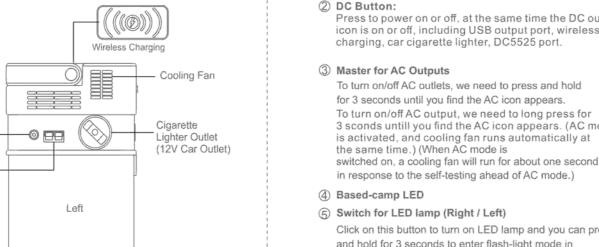
- 1. First, you need to ensure the power level of this power station is not too low before take it outdoor. It is capable of charging and discharging at the same time, but solar charging is affected a lot by weather.
- handling and usage. The most important note: you need to use it at room temperature: 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 wellventilated place. (Keep it clear from naked flames, sparks or conductive materials when charging the
- 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

Get To Know Your Gear







the power-on state, long press the button until an " appears on the screen to enter the Bluetooth mode. then scran QR code to download APP and allow this APP to use your location, then do the registration.

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.

D Bluetooth mode: in normal use, the effective range for Bluetooth is 5-10M, but the surroundings indoor can vary a lo 3 sconds untill you find the AC icon appears. (AC mode as obstacles like a concrete wall will attenuate the signal and the range may be drastically reduced. We suggest to try it outdoor in an open field.

Real-time LCD Displays

temperature drops.

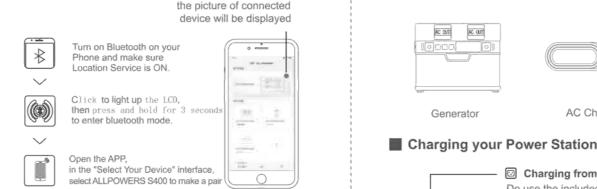
6 Ausgangs-/Eingangsleistung

- 3) In/Out Indicator Click on this button to turn on LED lamp and you can press (4) DC output: Press DC button again to turn it off if unloaded. and hold for 3 seconds to enter flash-light mode in
- 7 12V Car Outlet

emergency situation.

6 Real-Time LCD Display

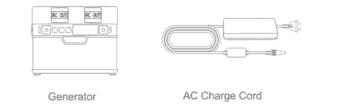
What's included





- without daily driving as battery may easily — Charging from Solar(MPPT Regulating) Charging from ALLPOWERS's fold-able
- AC mode is activated, and cooling fan runs automatically: use MC4/DC5525 to Anderson the same time and when the AC output mode is turned off, the cable.Different solar panels require cooling fan will automatically turn off when the internl different charging adapter to built connection, solar charging cable is not
 - - assistance.
- (5) Time to empty(full) 23:51 = 23 hours 51 minutes
- (7) AC outing, press and hold AC Master again to switch it off if power is 140W..

Fully Charged Time



—
 Charging from Wall Socket:

—
Oharging from USB-C:

Charging from your Car :

In case of a battery drain and lead to a

solar charger/solar modules 80W.

included. If in doubts, please email us for

this charging method when driving.For

service life.

maximum.

Do use the included AC wall adapter,

Or charging with a PD charger from

another extra one might shorten its

Common variables that affect performance o



(140W maximum input)

Charging Ways

thod 1: Wall charger (60W maximum input)

ethod 4: USB-C charger (60W maximum inpu

Method 5: Method 1/2/3 + Method 4

3: Solar charging (MPPT 80W maximum inpu

(Only for reference, take practicality as standard.)

d 2: Car cigarette lighter (80W maximum input) about 4-5 hours

USB-C port on the other side, it supports 2-Way PD charging standard up to 60W Note: you can shorten the charging time by turning off

the laptop.

Sunlight and its angle



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

Estimated Charging Tir

about 5-6 hours

about 2-3 hours

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.

or partial shading reduces yields. Additionally, any

Avoid any possible shelter

Three charging methods: DC port, USB-C port,

Support DC port + USB-C port, or Anderson port + USB-C port to charge at the same time, the maximum input recommended.

1 x USB-C: for smartphones, mini laptops equipped with

3 x USB-A: for smart phones, portable

2 x DC: for LED lamps, or any other

banks,small USB fans, other USB-

than 12V5A.)

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

Powered devices.

performance of the panel's as they run on light, not heat.

Using Your Power Station to Power Devices

PD fast charging standard, two way PD out up to 100W.

button. You can see the total output watts measurement on the LCD.

Before operating, please check the voltage,

3. Turn off master to stop outing

devices required no more than 12V socket, single port supply no more mode, press and hold for 3 seconds to exit outing.)

be protected to avoid moisture

Car Socket: for such car fridges, 12V appliances, etc. Car socket is built with short-circuit

Make sure your panels are free of shade, even minor

Wireless charging: for Qi-enabled dirt accumulated might decrease the wattage over smart devices time, so periodically cleaning the panel is

includs the starting & running wattage of your load devices. If overloaded, it will disable AC outputting other than DC ports, by the advanced built-in system control circuit module. (Please re-plug in another lower AC device and restart it after 30-second intervals.)

2.Make sure master is switched on.

1. Check compatibility

charging are activated accordingly by a master power

For safety reasons, all USB, AC ports and wireless

ones),metal objects like metal phone cases and plates

For best charging performance, your phone must

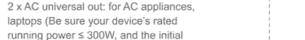
To prevent energy loss, each time when outputting is finished, press master button again to turn off outing, and disconnect the load from the station. (especially for AC

Output: DC5V1A at Max.

Transmit distance:5-8 mm

Transmit conversion:≥72%

(((G))) Wireless Charging



running power ≤ 300W, and the initial starting wattage <500W). AC out AC sockets are built with short-circuit protection, but they also should

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

for magnetic attachment might interfere with wireless protection, but it should be protected charging. Please remove before charging. with the rubber plug when not in use.

always be placed at the center of the charging

During the charging time, the charging area might get

Reference Running Time for common appliances

draw wattage slowly (a small TV), you will get

8-9 hours 5-6 hours 8-9 hours

1. Suggest to fully charge it at least once every 90

days for maintaining the best performance, reliability,

2.If outputting is done, please remember to turn off the

3. Due to the chemical characteristics of the battery, the

available capacity of the battery may somewhat vary

weather or overheating (you may hear a cooling fan).

40°C)also it is not recommended for outside storage

So please always use it in room temperature (0°C-

from environment to environment such as cold

Storage and Maintenance

and longevity.

master to save energy.

or in humid environment.

closer to 288Wh from this unit.

Application Reference Time

recommend you keep your unit in an insulated coole Different appliance require different working wattage and connect to a power source(solar panels). The and if you plug in appliances that drain a high wattage natural heat generated will keep battery capacity at its (a refrigerator), then the charging level of this unit can highest level. drop very quickly, and you may not get precisely 288 Wh energy. On the flipside, if you're recharging devices that The battery packs inside are non-removable, non-

> disassemble, the life-cycle for charge and discharge i over 800 times, but eventually, it will wear out.

4. If you are living off-grid in sub-zero condition, we

storing it with low battery may reduce its serviceable life. Recommended to always keep it with at least 20% capacity unused.

Current 5A Max.

different one.

In(AC) Please do use the adapter(20V--3.0A)

3 × USB-A: 5V3.0A

(Two-way PD in 60W/

outing 100W maximum.)

Wireless charging: 5V1A

included, DO NOT use an extra or

2 × US/JP 110V 300W or EU/UK 230V

(Three ports total 7.2 A maximum.)

2 × DC5525/1× Car Outlet: 12V5.0/

(Three ports total 5.0 A maximum.)

AU 240V 300W (Surge power 500W)

6. Continuously discharging the battery to 0% and then

Specifications 45-50 hours 3.5-4.5 hours 6-8 hours 20-23 hours

	Batteries capacity	78000mAh 3.7V (288Wh)		Protections	Over-current /Under-voltage /Over-charge /Over-load /Short-circuit /Over-heating p
	Size/Weight	206×165×110mm/8.1×6.5× 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.	□ FAQ		
		Voltage 100-240V to 20V		1. Can I use the ger	nerator while it is recharging

Pure Sine Wave

- 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

Working temperature:

0~+40(°C)/32~104(°F)

Temperature -10°C~0(°C)/14~32(°F)

55°C~65(°C)/131~149(°F)

65°C~75(°C)/149~167(°F)

Storage temperature:

in the socke on wall.

/Short-circuit /Over-heating protection

Cold temperature protection:

Over temperature charging protection:

Temperature over-discharging protection

Within 1 month:-20~60(°C)/-4~140(°F)

Within 3 months: -20~45(°C)/-4~113(°F)

Within 12 months:-20~25(°C)/-4~77(°F)

For long-term storage, please do avoid

storing outside, or in humid environmen

Inside there is a built-in pure-sine wave

inverter, which means it generates an

output that is exactly the same as plugging

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?

No, this product can only be shipped by freight or can be shipped by trucking to your destination, car not be shipped by civil flight.

4. Can I boarding with this unit when traveling?

this unit or not? Will it damage my devices if overloaded? First, you should check the amount of power your

How do I know if my multiple devices will work with

devices require, make sure the total running wattag does not exceed the 300±15 W limits. Even if overloaded, it will disable AC outputting other than the DC ports, by the advanced built-in system contro circuit module. (Please re-plug using another lower AC device and restart it after 1 minute.)

Disposal Guide

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.

If conditions permit, make sure that the battery is fully discharged

please do not dispose of the battery directly in the battery recycling

Please dispose of over-discharged batteries that cannot be recharged

It is recommended to choose a 100-140W solar panel

2. If the battery cannot be fully discharged due to a product failure

box. In such case, you should contact a professional battery recycling company for further processing.

to charge the power station, the charging time is about 4-5 hours (the charging time depends on the weather conditions).

If you have any concern regarding our products or

the failure occurred and the details of the issue. Website: www.iallpowers.com

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