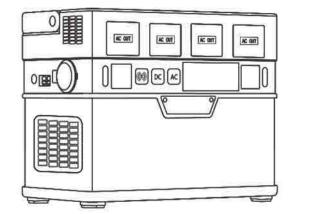
S1500 V2.0

ALLPOWERS

Model: AP-SS-008







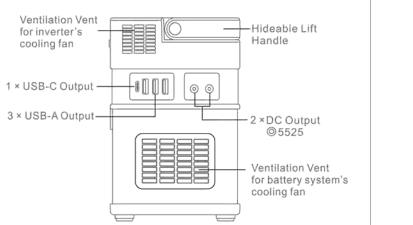
The products and materials described in this manual will be changed due to technical upgrades, we reserve the right to change the contents of this manual without prior notice.

Congratulation on your solar generator purchase, a plugand-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 1092 watt-hours of power, you can keep your laptops, lights, AC/DC appliances running longer.

## (i) Precautions before operating:

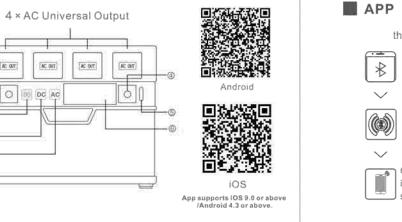
2. Lion-batteries cycle life can extend a lot with proper

- 1. First, you need to ensure the power level of this generator is not too low before take it out. 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: -10 ~ +40(°C)/14~104(°F)
- Do make sure to avoid damp environments and do not store outside.
- Be sure the rated running power of your device ≤1500W, and the peak power < 3000 W. In some cases, the instantaneous power of particular appliances are 3 times higher than their rated running power.
- 4. It is normal for this unit to become warm 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 battery).
- Voltage and frequency from AC source might vary from country to country (CN 220V / JP 100V / US 110V / UK&EU 230V / AU 240V). Please follow the local regulations to chose the correct version before using.



Ventilation Vent for inverter's cooling fan DC Input © 5521 Solar Input \_\_\_\_\_ ( Anderson Powerpole Ventilation Vent Connector ) for battery system's cooling fan

# ■ Get To Know Your Generator



 Power Button: short press to power it ON/OFF and check the remaining battery. When it is ON, press and hold the pressing for 3 seconds until you see "®" icon on LCD, you will enter/exit Bluetooth Mode, scan OR code to download our APP and do the registration, you can operate it with your Phone via Bluetooth from now on.

## (2) Turn On / Off DC Output

Click on DC button to turn on / off the USB-A / USB-C / DC5525 output and you will see both USB and DC icons

### 3 Turn On / Off AC Output

To turn on / off the AC outlets, we need to press and hold the pressing for 3-5 seconds until you find the AC icon appears. (When AC mode is switched on a cooling fan will run for a second).

- 4 LED lamp x 2
- (Right and Left)
- 6 Real-Time LCD Display
- (7) Car Outlet

light up on LCD.

the picture of connected device will be displayed

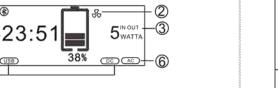






select ALLPOWERS S1500 to make a pair

## Real-time LCD Display



- Bluetooth Icon: Normally, the effective range for Bluetooth INPUT are driving. is 5-10M, but effective range will be affected by surrounding obstacles.
- (2) Cooling Fan: it'll start when the temperature of system go high and turn off once the system cool down.
- ③ In/Out Power Balance
- (4) Time to Empty Battery: 23:51=23 hours 51 minutes, the calculation is based on the current out power balance.
- (5) USB/DC Output Icon: USB and DC icons are active once DC output is switched on and if overloaded, the DC icon will be flashing as warning.
  - 6 AC Output Icon: AC icon shows up on LCD when AC mode is on. If overloaded, the AC icon will be flashing as warning.

## What's included







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They can be purchased from our authorized online stores or email us for help

## Charging your Solar Generator



Please use the included AC wall adaptor, if you need to use other adaptor, please contact us to confirm the

specification.

## Charging from your Car:

12V / 24V batteries are suitable for charging. It is better to use more than 12.7V to charge while you



(single port supply no more than 13V) — Charging from Solar(MPPT Regulating)

Charging from ALLPOWERS 18V portable solar panels. It can get more power from solar panels in parallel (300W max.).

## 100W Max) (1) Charging from PD Adaptor

## You can use a PD adapter that supports PD fast

charging protocol to charge solar generator through the USB-C port, the charging power is about 100W

## Fully Charged Reference Time

## (Only for information, take practicality as standard)

Charging method	Estimated charging time
AC wall charger (300W input)	about 3-4 hours
12/24V car port (max 300W input)	about 3-4 hours
USB-C PD charger (max 100W input)	about 9-10 hours
AC wall charger+ USB-C charger (max 400W input)	about 2-3 hours
Solar panel (max 300W input)	about 3-4 hours

## Using Your Solar Generator to Power Devices

1 x USB-C: Bi-directional fast charging port support 100W max.



3 x USB-A: for smart phones, portable banks, small USB fans, other USB-

4 x pure sine wave AC: for AC appliances

(rated running power≤1500W, 3000W surge).

2 x DC: for LED light strips / CCTV system / security camera or other 12V devices

## 4. Keep the remaining power above 10%

to charge it fully at least every 90 days.

appliances, etc. Car socket is built with short-circuit protection, but they should be protected with the rubber plug when not in use.

Car Socket: Car On-board Firdges, 13V

## 1.Check compatibility

Before use, you need to check whether the rated working voltage of your electrical appliance and load matches the output voltage. When using AC output, you need to check whether there is an overload risk. (You can use AC (alternating current) and DC (direct current) output modes at the same time. Note: the total output power cannot exceed 1500W±15W. When the total output power is greater than 1500W±15W, the control system will turn off the AC output and keep the DC working. After replacing a suitable device. the interval should be at least 60 seconds to restart AC output mode).

### 2.Make sure generator is switched on.

The total output watts will be showed on the LCD screen when all the USB, DC, AC ports are activated. (Note: DC car port is always alive, other outputs need to be activated by button)

## 3. Turn off generator again to stop outing

To prevent energy loss, each time when outputting is finished, press on master button again to turn off outing and disconnect the load from the unit. (especially for AC modes, press and hold for 3 seconds to exit outing.)

In order to extend the generator battery life, please ensure

the battery never drop below 10% for AC and 5% for DC output (recommended to always leave at least 20% capacity unused). Also if you do not use it for a long time, it is better

# Application Reference Time











Specifications

Size/Weight

In(AC)



Batteries capacity 295200mAh 3.7V(1092Wh)

In(cigar lighter | 12-65V 300W Ma)

In(Solar, MPPT) 12-65V 300W Max

In (USB-C) 5V/9V/12V/15V/20V 5A

Out(AC) 230V 1500W (Surge power 3000W)

32x22x19cm/12.6x8.7x7.5inch

100V-240V 300W Max (Pure Sine Wave)

4 × US 110V / JP 100V 1500W or EU/UK

Net Weight: 10KG Gross Weight: 11.85KG





DC: 13V5.5A(5.5×2.5mm)×2

USB-C: 5V/9V/12V/15V/20V 5A(100W max)

Temperature over-charging 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

Car Port: 13V10.5A

USB1: 5V2.4A

USB2: 5V2.4A

USB3: 5V2.4A

protection:

environments.

protection

1. Can I use the generator while it is recharging?

Yes, it is capable of outputting power while charging.

2. How often to recharge the generator when it is not in

We recommend to charge it at least once every 90 days to

Temperature Storage temperature:

Working temperature:

-10~ +40(°C)/14~104(°F)

55°C ~ 65(°C)/131~149(°F)

65°C ~ 75(°C)/149~167(°F)

-20°C ~ -10(°C)/-4~14(°F)

Temperature over-dischargin

Cold temperature protection

storing outside, or in humid

Over-current /Under-voltage

Short-circuit /Over-heating

/Over-voltage /Over-load

Out(DC

Protections

FAQ

remain its life time.



- 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
- 3. Please dispose of over-discharged batteries that cannot be recharged.

If you have any concern regarding our products or

to charge this generator? ALLPOWERS 18V 100W/ 140W/ 200W portable solar panels. II can get more power from solar panels in parallel (300W max.).

3. What size of solar panel in watts will be the best panel

4. Can I boarding with this generator when traveling?

No, the generator can only be shipped by freight or trucking.

5. How do I know if my multiple devices will work with this unit or not? Will it damage my devices if

First, you should check the total power of all your devices and make sure the total running wattage does not exceed the 1500W±15W limits. Even if overloaded, it will be disable to AC output and keep the DC port running normally.

overloaded?

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.

company for further processing.



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: iallpowers.com