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ALLPOWERS AP-SS-008

ALLPOWERS S1500 Portable Power Station User Manual

Model: AP-SS-008 | Brand: ALLPOWERS

1. INTRODUCTION

The ALLPOWERS S1500 Portable Power Station is a versatile and high-capacity solar generator designed to provide reliable power for a wide range of applications, from outdoor adventures like camping and RV travel to emergency home backup during power outages. This manual provides essential information on the setup, operation, maintenance, and troubleshooting of your S1500 power station.



Figure 1: ALLPOWERS S1500 Portable Power Station overview.

2. WHAT'S IN THE BOX

Upon unboxing your ALLPOWERS S1500, please ensure all the following components are present:

- ALLPOWERS S1500 Portable Power Station (1500W/1092Wh)
- AC Charging Adapter
- Welcome Guide (User Manual)

3. PRODUCT OVERVIEW

The S1500 is equipped with multiple ports to meet diverse power needs simultaneously.

3.1. Ports and Indicators

- **4 AC Outlets:** 1500W rated power (3000W peak) for household appliances.
- **3 USB-A Ports:** For charging smartphones, tablets, and other USB-powered devices.
- **1 USB-C Port (PD 100W):** Fast charging for laptops and compatible devices.
- **2 DC Ports (13V/5.5A):** For DC-powered devices.
- **1 Car Outlet (12V/10A):** For car appliances.

- **LCD Display:** Shows battery level, input/output wattage, and remaining runtime.
- **LED Lights:** Integrated lights for illumination in low-light conditions.

POWER 11 DEVICES AT THE SAME TIME

2 * DC PORTS

13V5.5A

1 * CAR OUTLET

12V10A

4* AC OUTLETS

1500W (PEAK 3000W)

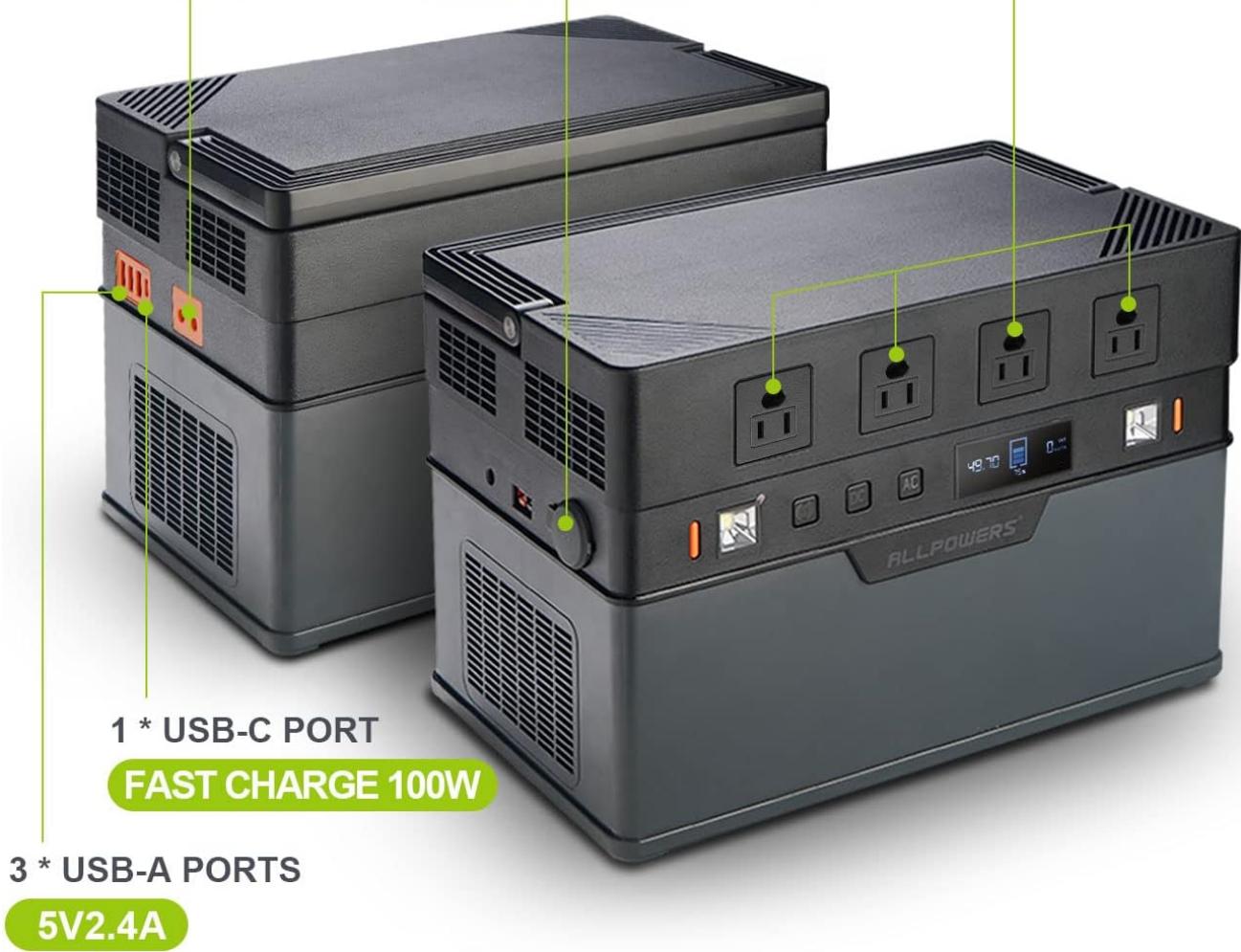


Figure 2: Detailed view of the 11 output ports on the S1500.



Figure 3: Close-up of the LCD display showing battery status and power information.

4. SETUP AND INITIAL CHARGE

Before first use, it is recommended to fully charge the ALLPOWERS S1500.

1. **Unpack:** Remove the power station and all accessories from the packaging.
2. **Placement:** Place the power station on a flat, stable surface in a well-ventilated area, away from direct sunlight or heat sources.
3. **Initial Charge (AC):** Connect the included AC charging adapter to the input port on the power station and then plug it into a standard wall outlet. The LCD display will indicate charging status.
4. **Full Charge:** The unit is fully charged when the battery indicator on the LCD display shows 100%. This typically takes about 3 hours with combined AC and PD 100W USB-C input.



Figure 4: S1500 being charged using both AC adapter and PD USB-C input for fast charging.

5. OPERATING INSTRUCTIONS

The ALLPOWERS S1500 offers various output options for different devices.

5.1. Turning On/Off

- To turn on the power station, press and hold the main power button until the LCD screen illuminates.
- To turn off, press and hold the main power button again until the LCD screen turns off.

5.2. AC Output

- Press the "AC" button to enable or disable the AC outlets. The AC indicator on the display will light up when active.
- Plug your AC-powered devices into the 4 AC outlets. Ensure the total wattage does not exceed 1500W (or 3000W peak).

5.3. DC and USB Output

- Press the "DC" button to enable or disable the DC and Car outlets. The DC indicator will light up when active.
- Plug your DC-powered devices or car appliances into the respective ports.
- USB-A and USB-C ports are typically always active when the unit is on.

5.4. LED Lights

- Press the dedicated LED light button to cycle through different lighting modes (e.g., low, high, SOS).



Figure 5: S1500 with its integrated LED lights activated.

5.5. APP Remote Control

The ALLPOWERS S1500 can be controlled via a mobile application for convenient remote operation.

- Download the "ALLPOWERS" app from your smartphone's app store.
- Enable Bluetooth on your power station by long-pressing the Bluetooth button.
- Open the app and follow the on-screen instructions to connect to your S1500.
- Through the app, you can monitor battery status, control AC/DC output, and manage LED lights.

2000+ BATTERY CYCLES



Figure 6: Controlling the S1500 power station remotely using the ALLPOWERS mobile application.

6. CHARGING METHODS

The ALLPOWERS S1500 supports multiple charging methods:

6.1. AC Wall Outlet Charging

- Connect the AC charging adapter to the power station's input port and then to a standard wall outlet.
- The unit supports 300W AC input for rapid charging.

6.2. USB-C PD 100W Charging

- Use a compatible USB-C PD 100W charger and cable to connect to the USB-C input port.
- This method can be used independently or in conjunction with AC charging for even faster recharge times (0-100% in 3 hours).

6.3. Solar Panel Charging

- Connect compatible solar panels (up to 300W with MPPT optimization) to the power station's solar input port.
- Ensure the solar panels are placed in direct sunlight for optimal charging efficiency.

6.4. Car Outlet Charging

- Connect the power station to your vehicle's 12V/24V car outlet using the appropriate cable.
- This method is ideal for charging while on the go.

7. MAINTENANCE AND STORAGE

Proper maintenance ensures the longevity and optimal performance of your ALLPOWERS S1500.

- **Cleaning:** Use a dry, soft cloth to wipe the exterior of the power station. Avoid using harsh chemicals or abrasive materials.
- **Storage:** Store the unit in a cool, dry place, away from direct sunlight, moisture, and corrosive substances.
- **Battery Care:** For prolonged storage, charge the battery to 50-80% every 3-6 months to maintain battery health. Avoid completely depleting the battery for extended periods.
- **Temperature:** Operate and store the unit within the recommended temperature range (-4°F to 140°F / -20°C to 60°C). Best working temperature is around 77°F (25°C).

TINY AND LIGHTWEIGHT



Figure 7: Internal view of the S1500 battery cells, highlighting the robust BMS technology for safety and longevity.

8. TROUBLESHOOTING

If you encounter issues with your ALLPOWERS S1500, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Unit not turning on	Battery fully depleted; Power button not pressed long enough.	Charge the unit immediately; Press and hold the power button for 3-5 seconds.
AC output not working	AC output disabled; Overload protection activated.	Press the "AC" button to enable; Reduce the connected load.
Slow charging via solar	Insufficient sunlight; Panels not optimally angled; Incompatible panels.	Ensure direct sunlight; Adjust panel angle; Verify panel compatibility and wattage.

Problem	Possible Cause	Solution
Fans are noisy	Normal operation during high load/charging; Resonating with case.	This is normal for cooling; Ensure unit is on a stable surface.

9. SPECIFICATIONS

Feature	Detail
Model Name	AP-SS-008
Capacity	1092Wh
AC Output	1500W (Rated), 3000W (Peak)
AC Voltage	110 Volts
USB-A Output	3 ports, 5V/2.4A
USB-C Output	1 port, PD 100W
DC Output	2 ports, 13V/5.5A
Car Outlet	1 port, 12V/10A
AC Input	300W Max
Solar Input	300W Max (MPPT)
Recharge Time (0-100%)	Approx. 3 hours (AC + USB-C PD)
Battery Type	Lithium-ion (implied from 3.7V, 1000+ cycles)
Life Cycles	Capacity remains 80% over 1000+ cycles
Weight	22.05 lbs (10 kg)
Dimensions (L x W x H)	12.6" x 8.7" x 7.5"
Operating Temperature	-4°F to 140°F (-20°C to 60°C)
Warranty	5 Years

10. WARRANTY AND SUPPORT

ALLPOWERS provides an exclusive 5-year warranty for the S1500 Portable Power Station, ensuring a guaranteed, worry-free experience.

- Warranty Period:** 5 Years from the date of purchase.
- Customer Service:** For any inquiries, technical support, or warranty claims, please contact ALLPOWERS customer service. Refer to the contact information provided in your Welcome Guide or visit the official ALLPOWERS website.