

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

- › [ALLPOWERS](#) /
- › [ALLPOWERS S2000 PRO Solar Generator Instruction Manual](#)

ALLPOWERS S2000 PRO

ALLPOWERS S2000 PRO Solar Generator Instruction Manual

Model: S2000 PRO

Brand: ALLPOWERS

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your ALLPOWERS S2000 PRO Solar Generator. Please read this manual thoroughly before using the product and retain it for future reference. The ALLPOWERS S2000 PRO is a portable power station designed to provide reliable power for various applications, including home backup, outdoor camping, and remote work sites.



Image: The ALLPOWERS S2000 PRO Solar Generator in an outdoor setting, showcasing its portability and design.

2. PRODUCT FEATURES

- **High Power Output:** Provides 2400W continuous AC output (4000W surge) and 300W DC output, capable of powering up to 2700W simultaneously for most home appliances.

- **Versatile Ports:** Equipped with 4 standard pure sine wave AC outlets, 4 USB-A (QC3.0) ports, 1 13V10A Car port, and 2 USB-C (PD 100W) ports.
- **Fast Solar Charging:** Features 1000W MPPT solar input for efficient and rapid solar charging.
- **UPS Battery Backup:** Integrated UPS function ensures non-stop power with a switchover time of less than 10ms during power outages.
- **Portable Design:** Designed for easy transport and deployment in various environments.



2700W HUGE BACKUP BATTERY

Image: The ALLPOWERS S2000 PRO connected to and powering various household appliances, demonstrating its high output capability.

3. PACKAGE CONTENTS

Upon unboxing, please verify that all the following items are included:

- ALLPOWERS S2000 PRO Portable Power Station
- AC Charging Cable

- XT60 to Car Charger Cable
- XT60 to MC4 Solar Charging Cable
- Accessory Carrying Case (for cables)
- Protective Cover for S2000 PRO Unit
- User Manual (this document)

Your browser does not support the video tag.

Video: An unboxing video demonstrating the contents of the ALLPOWERS S2000 PRO package, including the main unit, cables, and carrying accessories.

4. SETUP

4.1 Initial Charging

Before first use, fully charge the ALLPOWERS S2000 PRO to 100% using any of the available charging methods. This ensures optimal battery performance and longevity.

4.2 AC Wall Charging

1. Connect the provided AC charging cable to the AC input port on the back of the S2000 PRO.
2. Plug the other end of the AC charging cable into a standard wall outlet (100-240V).
3. The LCD display will indicate charging status.

4.3 Solar Panel Charging

1. Unfold your ALLPOWERS solar panels and position them to receive maximum sunlight.
2. Connect the XT60 to MC4 solar charging cable to the solar input port on the S2000 PRO.
3. Connect the MC4 connectors from the solar panels to the solar charging cable.
4. The LCD display will show the input wattage and charging progress.

1000W SOLAR INPUT

MPPT Faster Solar Charging

(Max 1000W, 12-150V/13A)

ALLPOWERS With MPPT Controller 2 Hours ⚡



Others Without MPPT Controller 2 Hours



Image: The ALLPOWERS S2000 PRO being charged by solar panels in an outdoor setting, highlighting the MPPT technology for faster charging.

4.4 Car Charging

1. Connect the XT60 to car charger cable to the solar input port on the S2000 PRO.
2. Plug the car charger end into your vehicle's 12V cigarette lighter socket.
3. Monitor the charging status on the LCD display.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

- To power on the S2000 PRO, press and hold the main power button until the LCD screen illuminates.
- To power off, press and hold the main power button again until the LCD screen turns off.

5.2 Using AC Outlets

1. Ensure the S2000 PRO is powered on.
2. Press the 'AC' button to activate the AC output. The AC indicator on the display will light up.
3. Plug your AC devices into the 110V AC outlets.
4. To turn off AC output, press the 'AC' button again.

5.3 Using DC and USB Outputs

1. Ensure the S2000 PRO is powered on.
2. Press the 'DC' button to activate the DC output. The DC indicator on the display will light up.
3. Plug your DC or USB devices into the respective ports (13V10A Car port, USB-A, USB-C).
4. To turn off DC output, press the 'DC' button again.



Image: A close-up view of the ALLPOWERS S2000 PRO's control panel, showing the various AC, DC, and USB ports, along with the LCD display.

5.4 Monitoring the Display

The LCD display provides real-time information:

- **Battery Level:** Shows the current charge percentage.
- **Input/Output Wattage:** Displays the power being drawn in (charging) or supplied out (discharging).
- **Remaining Time:** Estimates the remaining operating or charging time based on current power usage.

5.5 App Control

The ALLPOWERS S2000 PRO can be controlled via a dedicated mobile application. Download the app by scanning the QR code in the included warranty card or visiting the ALLPOWERS website. The app allows you to remotely monitor battery status, control AC/DC outputs, and manage settings.

Your browser does not support the video tag.

Video: A demonstration of the ALLPOWERS S2000 PRO's app control features, showing how to remotely manage power outputs and monitor the unit.

6. MAINTENANCE

6.1 Cleaning

Wipe the unit with a dry, soft cloth. Do not use abrasive cleaners or solvents.

6.2 Storage

For long-term storage, ensure the unit is charged to approximately 50-80% and stored in a cool, dry place away from direct sunlight and moisture. Avoid storing outside or in damp environments. Recharge the unit every 3-6 months to maintain battery health.

6.3 Operating and Charging Temperature

- **Operating Temperature:** -20°C to 45°C (-4°F to 113°F)
- **Over-temperature Charging Protection:** 55°C to 65°C (131°F to 149°F)

7. TROUBLESHOOTING

- **Unit Not Powering On:** Ensure the battery is charged. If the unit has been stored for a long time, it may require an initial charge.
- **No Output from AC/DC/USB Ports:** Verify that the respective AC or DC output button has been pressed and its indicator light is on. Check that the device you are trying to power is within the S2000 PRO's wattage limits.
- **Slow Solar Charging:** Ensure solar panels are positioned for maximum direct sunlight. Check for any obstructions. Verify all connections are secure.
- **Overload Protection:** If the unit shuts down due to overload, disconnect some devices and restart the unit.

8. SPECIFICATIONS

Feature	Specification
Brand	ALLPOWERS
Model Name	S2000 PRO
Battery Type	Lithium-Ion batteries
Capacity	1500Wh (405405mAh 3.7V)
AC Output (Continuous)	2400W
AC Output (Surge)	4000W (Pure Sine Wave)
AC Input (Max)	1500W (100-240V)
Solar Input (Max)	650W (18-70V, 18A Max.)

Feature	Specification
USB-C Output	5V/5A, 9V/5A, 12V/5A, 15V/5A, 20V/5A (PD 100W Max.)
USB-A Output (QC3.0)	5V/3A, 9V/2A, 12V/1.5A
Car Port Output	13V10A
RV Output	110V/30A
Product Dimensions	375 × 245 × 250 mm / 14.76 × 9.64 × 9.84 inch
Weight	approx. 14.5kg

9. WARRANTY AND SUPPORT

The ALLPOWERS S2000 PRO comes with a **5-year warranty**. To activate your warranty and for any support inquiries, please visit the official ALLPOWERS website at www.iallpowers.com. For technical assistance or customer service, refer to the contact information provided on the website.

10. IMPORTANT SAFETY INFORMATION

- Do not disassemble, repair, or modify the unit.
- Keep the unit away from fire, water, and extreme temperatures.
- Do not use the unit if it is damaged or has been dropped.
- Ensure proper ventilation during use to prevent overheating.
- Keep out of reach of children.
- Dispose of the unit and its battery in accordance with local regulations.