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› STORCUBE S2500 Portable Power Station User Manual

STORCUBE S2500

STORCUBE S2500 Portable Power Station User Manual

Model: S2500 | Brand: STORCUBE

1. INTRODUCTION

The STORCUBE S2500 Portable Power Station is a versatile and powerful energy solution designed for home backup, emergency situations, outdoor RV camping, and commercial use. With its robust 2560Wh LiFePO4 battery and 2000W AC output, it can power a wide range of appliances, offering reliable and efficient energy wherever you need it.



Image: The STORCUBE S2500 Portable Power Station, showcasing its compact design and extendable pull handle for easy transport.

2. SAFETY INFORMATION

Your safety is paramount. The STORCUBE S2500 Portable Power Station is certified by CE, UL, and FCC, ensuring top-notch quality and reliability. It features EV A-grade LiFePO4 batteries for enhanced safety and longevity, providing over 3500+ cycles. An integrated Battery Management System (BMS) offers multiple layers of protection, including overdischarge, overcharge, overload, short circuit, and overcurrent protection.

- **Overdischarge Protection:** Prevents the battery from discharging below a safe voltage level.
- **Overcharge Protection:** Safeguards against overcharging, which can damage the battery.
- **Overload Protection:** Shuts down the unit if connected devices draw too much power.
- **Short Circuit Protection:** Automatically disconnects power in case of a short circuit.
- **Overcurrent Protection:** Protects against excessive current flow.



Image: Visual representation of the integrated Battery Management System (BMS) and its protective features.

3. WHAT'S INCLUDED

Upon unboxing your STORCUBE S2500 Portable Power Station, you should find the following items:

- STORCUBE S2500 portable power station
- AC charging cable
- Car charging cable
- Solar charging cable (XT60 charging cable)
- Flashlight charging cable (USB to Type C charging cable)
- User manual (this document)

4. PRODUCT OVERVIEW

The S2500 is equipped with a comprehensive array of ports and features to meet diverse power needs:

- **12 Versatile Outlets:** Includes 3 AC Outlets, 2 USB-A ports, 2 DC5521 ports, 1 car outlet, 1 wireless charger, and 2 USB-C PD100W ports.
- **12V/20A Anderson Port:** Specifically designed to power your RV life.
- **Integrated Flashlight:** A convenient flashlight is built into the unit for emergency use.
- **Wireless Charging Pad:** A 15W wireless charging pad is located on top for compatible devices.
- **LCD Screen:** Displays real-time power status, input/output wattage, and remaining battery percentage.
- **Pull-rod and Wheels:** Ergonomic design for ultra-portability, making it easy to transport like luggage.

12 VERSATILE OUTLETS



1* Wireless Charging Pad



1*12W USB-A



1*18W USB-A



2*PD100W USB-C



1* 12V/10A Car Port



2*12V/3A DC5521



1* 12V/20A Anderson Port



3*AC Outlets



Image: Detailed view of the S2500's output ports, including AC, USB-A, USB-C, DC, and car outlets.

 Microwave (1300W) 1.7 Hours	 Coffee Maker (1000W) 2.2 Hours
 Refrigerator (800W) 2.7 Hours	 Electric Blanket (120W) 18 Hours
 CPAP Machine (40W) 54 Hours	 Desktop PC (200W) 11 Hours



Image: Labeled diagram illustrating the various input and output ports, LCD screen, and other features of the S2500.

5. SETUP

5.1 Initial Charging

Before first use, it is recommended to fully charge your STORCUBE S2500. The unit supports super fast charging via AC input, reaching 0 to 100% in just 1.8 hours with 1800W AC input.

- Connect the provided AC charging cable to the AC input port on the power station.
- Plug the other end of the AC charging cable into a standard wall outlet.
- The LCD screen will indicate the charging status and estimated time to full charge.

MULTIPLE CHARGING METHODS



Solar Panel Recharging



AC Recharging



Car Recharging

AC Fast Charging from 0-100% **1.8 hours**

with AC Input Power **1800W**



Image: The S2500 connected to a wall outlet for fast AC charging.

5.2 Alternative Charging Methods

The S2500 also supports solar charging and 12V car charging for flexibility:

- **Solar Charging:** Connect compatible solar panels (up to 1200W input) using the provided XT60 solar charging cable. Ensure the solar panel voltage is between 10V-60V. Charging time varies based on solar input and sunlight conditions (e.g., 1200W solar panel in 2.7-5.4 hours).

- **Car Charging:** Use the car charging cable to charge the unit from your vehicle's 12V car outlet.

GREEN SOLAR POWER

1200W MAX SOLAR INPUT

Charge Times



Solar Charged with 1200W Solar Panel in **2.7-5.4** hrs

Solar Charged with 800W Solar Panel in **4-8** hrs

Solar Charged with 400W Solar Panel in **8-16** hrs



Note: Please ensure that the power voltage of the solar panel is between 10V-60V, and the rated power of the solar panel is within 1200W.

Image: The S2500 connected to solar panels in an outdoor setting, demonstrating solar charging capability.

6. OPERATING INSTRUCTIONS

6.1 Powering On/Off

To power on the unit, press and hold the main power button until the LCD screen illuminates. To power off, press and hold the same button until the screen turns off.

6.2 Connecting Devices

The S2500 can power 99% of home appliances with its 2000W AC output. Simply plug your devices into the appropriate ports (AC, USB-A, USB-C, DC, or car outlet). Ensure the total wattage of connected devices does not exceed the unit's maximum output.

POWER **99.99%** OF HOME APPLIABCES



Heater
(1500W)

1.5Hrs



Microwave
(1300W)

1.7Hrs



Refrigerator
(800W)

2.7Hrs



Coffee Machine
(1000W)

2.1Hrs

2000W



Output Power

Image: The S2500 powering a heater, microwave, refrigerator, and coffee machine, illustrating its high power output.

6.3 Using the Built-in Flashlight

The S2500 includes a convenient built-in flashlight. To access and use it, open the small compartment on the side of the unit and retrieve the flashlight. It can be charged via the included USB to Type C cable.



Image: The S2500 demonstrating its wireless charging capability and the integrated portable flashlight.

6.4 Smart App Control

Download the STORCUBE App from the App Store or Google Play to control and monitor your power station remotely. The app allows for energy management, setting standby time, and provides low battery reminders.

CONTROL & MONITOR WHEREVER YOU GO



Remote Control



Energy
Management



Set Standby Time



Low Battery
Reminder



Download the
STORCUBE App



App Store
Download it on
the App Store



Google Play
Download it on
Google Play

Image: A hand holding a smartphone showing the STORCUBE app, which allows for remote control and monitoring of the power station.

6.5 Official Product Videos

Watch the official product overview video for the STORCUBE Portable Power Station S2500:

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Video: A comprehensive overview of the STORCUBE Portable Power Station S2500, highlighting its features and uses.

Explore a detailed look at the STORCUBE Portable Power Station S2500:

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Video: An in-depth look at the STORCUBE Portable Power Station S2500, providing more details on its design and functionality.

See the STORCUBE S2500 power station in action for outdoors and power outages:

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Video: Demonstrating the practical applications of the STORCUBE S2500 power station for outdoor activities and as a reliable backup during power outages.

7. MAINTENANCE

To ensure the longevity and optimal performance of your STORCUBE S2500, follow these maintenance guidelines:

- **Regular Charging:** Even when not in use, charge the power station at least once every 3-6 months to maintain battery health.
- **Storage:** Store the unit in a cool, dry place away from direct sunlight and extreme temperatures.
- **Cleaning:** Use a dry, soft cloth to clean the exterior of the unit. Avoid using harsh chemicals or abrasive materials.
- **Battery Lifespan:** The S2500's LiFePO4 battery is designed for a long lifespan, lasting over a decade even with everyday use, supporting 3500+ cycles.

10 YEARS OF EVERYDAY USE

our   **10 Year Lifespan**
3500+ Cycles

other   **500+ Cycles**

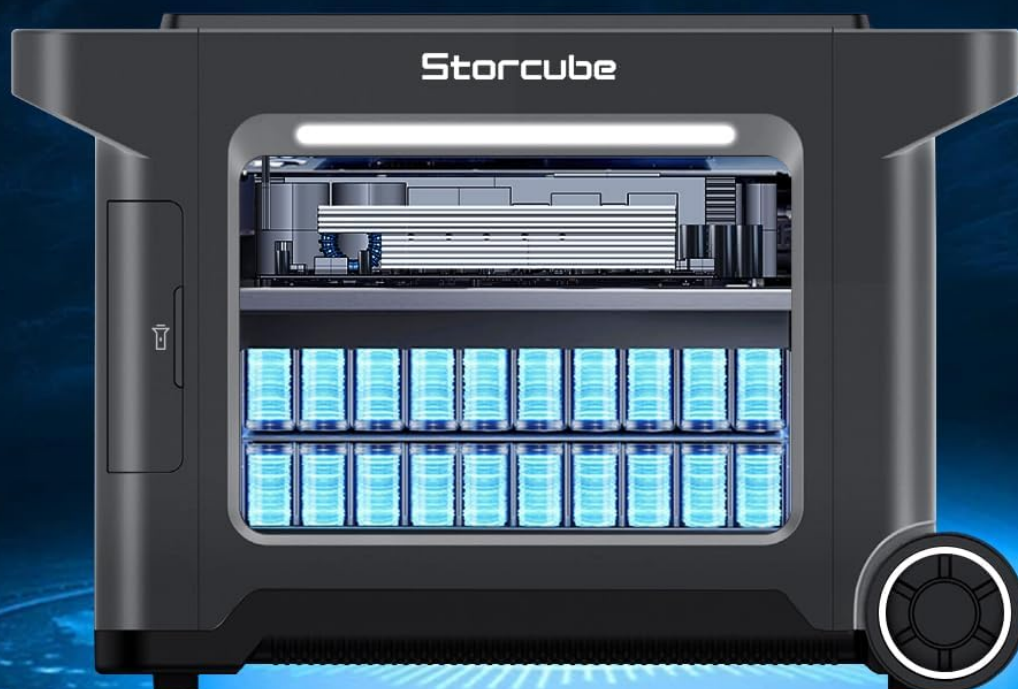


Image: An internal view of the S2500 highlighting its LiFePO4 battery cells and their extended lifespan compared to other battery types.

8. TROUBLESHOOTING

If you encounter any issues with your STORCUBE S2500 Portable Power Station, please refer to the following general

advice:

- **Unit Not Powering On:** Ensure the battery is charged. If not, connect it to an AC outlet for charging.
- **Devices Not Charging:** Check if the power station is turned on and the specific output ports (AC, USB, DC) are activated. Verify that the device's power requirements do not exceed the port's maximum output or the unit's total output.
- **Overload Protection Activated:** If the unit shuts down due to overload, disconnect some devices and restart the power station.
- **Unusual Noises or Smells:** Immediately power off the unit and disconnect all devices. Contact customer support for assistance.

For more detailed troubleshooting or persistent issues, please contact STORCUBE customer support.

9. SPECIFICATIONS

Feature	Detail
Brand	STORCUBE
Model Name	S2500
Wattage	2000 watts
Output Wattage	2000.00
Starting Wattage	4000 Watts
Running Wattage	4000 Watts
Voltage	120 Volts (AC)
Fuel Type	Non-gasoline
Power Source	Solar Powered, Battery Powered
Item Weight	70.6 Pounds
Product Dimensions	20.24"L x 10.16"W x 14.06"H
Battery Type	LiFePO4 (1 Lithium Ion battery included)
Total Power Outlets	3 AC Outlets, multiple USB and DC ports
Special Features	Portable, Overload Protection, Short Circuit Protection, USB Port, Telescoping Handle

10. WARRANTY AND SUPPORT

The STORCUBE S2500 Portable Power Station comes with a**5-year warranty service**, ensuring peace of mind and long-term reliability.

For any inquiries, technical assistance, or warranty claims, please contact STORCUBE customer support. You can find contact information on the official STORCUBE website or through your purchase platform.

Visit the [STORCUBE Store](#) for more information and support resources.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question