ALLPOWERS AP-R1500+B1000-US

ALLPOWERS R1500 LITE Portable Power Station & SF200 Solar Panel User Manual

Model: AP-R1500+B1000-US

1. INTRODUCTION

Thank you for choosing the ALLPOWERS R1500 LITE Portable Power Station and SF200 Flexible Solar Panel. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your product. Please read it thoroughly before use and retain it for future reference.

The ALLPOWERS R1500 LITE is a high-capacity portable power station designed to provide reliable power for various devices, featuring a durable LiFePO4 battery and multiple output options. Paired with the SF200 Flexible Solar Panel, it offers an efficient and portable solar charging solution.

2. PRODUCT OVERVIEW

2.1 Key Features

- **High Capacity & Power Output:** 1056Wh capacity with 1600W (peak 3200W) AC output, capable of powering up to 9 devices simultaneously.

- **LiFePO4 Battery:** Long-lasting LiFePO4 battery offering 4000+ charge cycles to 80% capacity, ensuring over 10 years of daily use.

- **UltraFast Charging:** Charges to 80% in just 40 minutes via a wall outlet.

- **Efficient Solar Charging:** Supports up to 650W solar input, allowing full charge in approximately 1.5 hours with a single cable.

- **Uninterruptible Power Supply (UPS):** Features a 15ms seamless UPS function for continuous power during outages.

- **Quiet Operation:** Operates at under 43 dB in whisper-quiet charging mode.

- **Smart APP Control:** Monitor and control the power station via a dedicated mobile application.

- **SF200 Flexible Solar Panel:** Lightweight (9lb), bendable (within 260 degrees), and highly efficient (up to 25% conversion) monocrystalline solar panel.

- **Durable & Weatherproof:** SF200 features IP68-rated ETFE material for resistance to extreme weather conditions.

2.2 What's in the Box

- 1 x ALLPOWERS Portable Power Station (R1500 LITE)

- 1 x AC Charging Cable

- 1 x User Manual

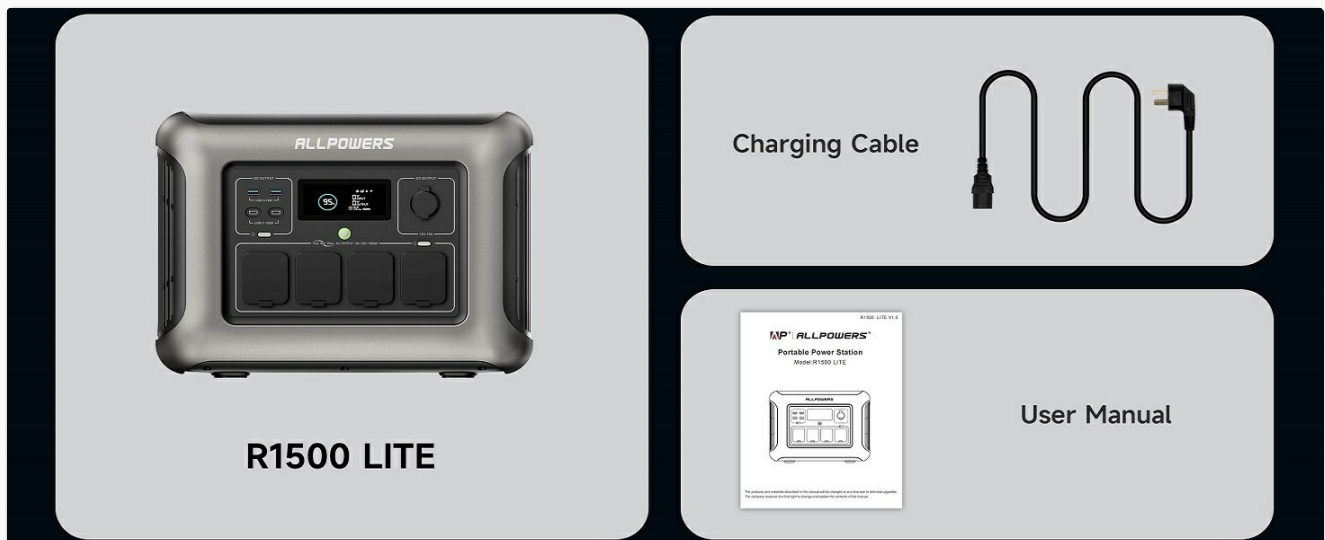- 1 x ALLPOWERS SF200 Flexible Solar Panel (Included with this specific variant)

Image: Package contents including the R1500 LITE power station, AC charging cable, and user manual.

3. SETUP

3.1 Initial Charging

Before first use, it is recommended to fully charge the R1500 LITE power station. This can be done via AC wall outlet, solar panel, or car charger.

- **AC Wall Charging:** Connect the provided AC charging cable to the power station's AC input port and then to a standard wall outlet. The power station supports UltraFast Charging, reaching 80% in approximately 40 minutes.

- **Solar Charging:** Connect the SF200 Flexible Solar Panel to the power station's solar input port. Ensure the solar panel is positioned in direct sunlight for optimal charging efficiency. The R1500 LITE supports up to 650W solar input.

- **Car Charging:** Use a compatible car charger (not included) to connect the power station to your vehicle's 12V/24V cigarette lighter socket.

Image: Illustration of AC, solar, and car charging methods for the power station.

3.2 Connecting the SF200 Flexible Solar Panel

The SF200 Flexible Solar Panel is designed for easy installation and use. It can be bent within 260 degrees, making it suitable for various curved surfaces.

1. Unroll or unfold the SF200 solar panel.
2. Position the panel in an area with maximum direct sunlight.
3. Connect the solar output connectors of the SF200 to the solar input port of the R1500 LITE power station.
4. Monitor the charging indicator on the power station's display to confirm solar input.

Image: The R1500 LITE power station and SF200 flexible solar panel.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

To power on the R1500 LITE, press and hold the main power button until the display illuminates. To power off, press and hold the main power button again until the display turns off.

4.2 Using Output Ports

The R1500 LITE features various output ports:

- **AC Outputs (120V, 1600W, peak 3200W):** Press the AC power button to enable/disable the AC outlets. Connect your AC-powered devices.
- **USB-C Ports (100W):** Connect USB-C compatible devices for fast charging.
- **USB-A Ports (18W):** Connect standard USB-A devices for charging.
- **Car Cigarette Lighter Socket (12V/10A):** Connect 12V DC devices.

CPAP Machine
60W
12.1 hours

Portable Fridge
80W
9.1 hours

Projector
200W
3.6 hours

Electric Kettle
1200W
0.6 hour

Hair Dryer
1400W
0.5 hour

Vicrowave
1200W
0.6 hour

Image: The R1500 LITE powering various tools, demonstrating its high output capability.

Image: The R1500 LITE powering common household and camping appliances.

4.3 Uninterruptible Power Supply (UPS) Function

The R1500 LITE features a 15ms seamless UPS function. When connected to an AC wall outlet and simultaneously powering devices, it can automatically switch to battery power in case of a power outage, ensuring continuous operation for sensitive electronics.

1. Connect the R1500 LITE to an AC wall outlet using the AC charging cable.

2. Connect your critical devices (e.g., desktop PC, CPAP machine) to the AC output ports of the R1500 LITE.

3. In the event of a power failure, the R1500 LITE will automatically provide power from its internal battery.
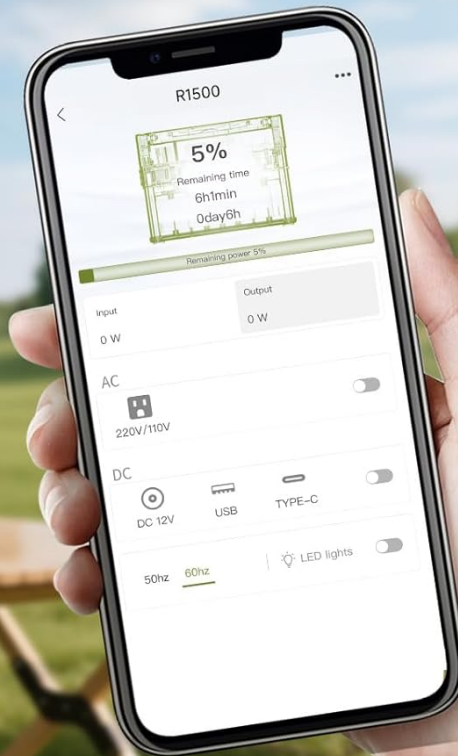
Image: The R1500 LITE providing uninterrupted power to an aquarium.

4.4 Smart APP Control

Control and monitor your R1500 LITE using the ALLPOWERS mobile application.

1. Download the ALLPOWERS app from your device's app store.

2. Ensure Bluetooth is enabled on your smartphone.

3. Open the app and follow the on-screen instructions to pair with your R1500 LITE.

4. Through the app, you can switch Hertz, change charging modes, activate Eco Mode, and monitor power usage.

Image: The ALLPOWERS app interface for intelligent control of the power station.

5. MAINTENANCE

5.1 Battery Care

- For optimal battery life, avoid fully discharging the power station frequently.

- Store the power station in a cool, dry place away from direct sunlight and extreme temperatures.

- If storing for extended periods, charge the battery to approximately 50-80% every 3-6 months.

5.2 Cleaning

- Wipe the exterior of the power station and solar panel with a soft, dry cloth.

- Do not use abrasive cleaners or solvents.

- Ensure all ports are free from dust and debris.

5.3 SF200 Solar Panel Durability

The SF200 solar panel is designed with IP68 waterproof ETFE material, allowing it to withstand various weather conditions. However, for longevity, it is recommended to clean the panel surface periodically to remove dirt or dust that may reduce efficiency.

6. TROUBLESHOOTING

If you encounter issues with your ALLPOWERS R1500 LITE or SF200 Solar Panel, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Power station not turning on	Low battery; Power button not pressed correctly	Charge the power station; Press and hold the power button for 3 seconds
No output from AC/DC/USB ports	Output port not activated; Overload protection; Device not compatible	Ensure respective output button is pressed; Reduce load; Check device power requirements
Solar panel not charging	Insufficient sunlight; Panel not connected properly; Damaged cable/panel	Reposition panel in direct sunlight; Reconnect cables securely; Inspect cables and panel for damage
APP connection issues	Bluetooth off; App not updated; Power station not discoverable	Ensure Bluetooth is on; Update app; Restart power station and app

If the problem persists, please contact ALLPOWERS customer support.

7. SPECIFICATIONS

7.1 ALLPOWERS R1500 LITE Portable Power Station

- **Model Name:** AP-R1500+B1000-US
- **Capacity:** 1056Wh
- **AC Output:** 1600W (Peak 3200W)
- **USB-C Output:** 2 x 100W
- **USB-A Output:** 2 x 18W
- **Car Cigarette Lighter Socket:** 12V/10A
- **AC Input:** 1200W Max
- **Solar Input:** 650W Max
- **Battery Type:** LiFePO4 (LFP)
- **Cycle Life:** 4000+ cycles to 80% capacity
- **UPS Function:** 15ms seamless
- **Dimensions:** 12.3"L x 10.4"W x 16.3"H
- **Weight:** Approximately 33.07 lbs (15kg)

7.2 ALLPOWERS SF200 Flexible Solar Panel

- **Power:** 200W
- **Cell Type:** Monocrystalline
- **Conversion Efficiency:** Up to 25%
- **Material:** ETFE (IP68 waterproof)
- **Flexibility:** Bendable within 260 degrees
- **Dimensions:** 54.1"L x 30.7"W x 0.1"H
- **Weight:** 9 lbs

8. WARRANTY

The ALLPOWERS R1500 LITE Portable Power Station and SF200 Flexible Solar Panel come with a **6-year warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims. For detailed warranty terms and conditions, refer to the official ALLPOWERS website or contact customer support.

9. CUSTOMER SUPPORT

For any questions, technical assistance, or warranty inquiries, please contact ALLPOWERS customer support through the following channels:

- **Official Website:** Visit the ALLPOWERS Store on Amazon for product information and support resources.
- **Email:** Refer to your product packaging or the official website for the most current customer service email address.
- **Online Chat:** Available on the ALLPOWERS official website during business hours.

When contacting support, please have your product model number (AP-R1500+B1000-US) and purchase date ready.

Related Documents - AP-R1500+B1000-US

	ALLPOWERS R1500 LITE Portable Power Station User Manual This user manual provides comprehensive details on the ALLPOWERS R1500 LITE Portable Power Station, covering safety instructions, technical specifications, operating procedures, app integration, frequently asked questions, and troubleshooting guidance for optimal performance and safe usage.
	ALLPOWERS R1500 Portable Power Station User Manual and Specifications Comprehensive guide to the ALLPOWERS R1500 Portable Power Station, detailing its 1152Wh LFP battery, 1800W AC output, fast charging, UPS functionality, app control, and solar charging capabilities.

	[ALLPOWERS R1500 Portable Power Station User Manual](#) Comprehensive user guide for the ALLPOWERS R1500 portable power station, covering safety, specifications, usage, FAQs, troubleshooting, and package contents. Includes multilingual support.
	[ALLPOWERS R1500 Portable Power Station: 1800W Solar Generator User Manual](#) Comprehensive user manual for the ALLPOWERS R1500 portable power station, featuring 1800W output, 1152Wh LiFePO4 battery, and solar charging capabilities. Learn about setup, operation, safety, and specifications.
	[ALLPOWERS S1500 V2.0 Portable Power Station User Manual](#) Comprehensive guide to the ALLPOWERS S1500 V2.0 portable power station, covering features, operation, charging, specifications, and safety guidelines.
	[ALLPOWERS R1500 LITE Portable Power Station User Manual](#) User manual for the ALLPOWERS R1500 LITE portable power station, detailing its features, specifications, ports, battery information, and certifications.