ALLPOWERS R1500 BUNDLE

ALLPOWERS R1500 LITE Portable Power Station & SP039 Solar Panel User Manual

Model: R1500 BUNDLE

Brand: ALLPOWERS

1. SAFETY INFORMATION

Please read and understand all safety instructions before operating the ALLPOWERS R1500 LITE Portable Power Station and SP039 Solar Panel. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Do not expose the power station or solar panel to water or excessive moisture.
- Ensure proper ventilation when operating the power station to prevent overheating.
- Do not disassemble, repair, or modify the device. Contact authorized service personnel for any repairs.
- Keep away from open flames or direct heat sources.
- Store in a cool, dry place away from direct sunlight.
- Keep out of reach of children and pets.

2. PRODUCT OVERVIEW

The ALLPOWERS R1500 LITE is a versatile portable power station designed for various power needs, from outdoor adventures to home backup. It features a robust LiFePO4 battery and multiple output ports.

Key Features:

- **All-in-One Power Solution:** Delivers 4 AC 1600W output (3200W Surge), 2 USB-C 100W ports, 2 USB-A ports, and a cigarette lighter. Charges up to 9 devices simultaneously.
- **High Capacity:** 1056Wh capacity for extended use.
- **Fast Charging:** Recharges in only 50 minutes with AC 1200W input.
- **LiFePO4 Battery:** Offers 4000+ cycle life for over a decade of use, with a built-in BMS for 6-point protection.

- **SP039 Solar Panel:** 600W foldable solar panel (27.5 lbs) provides 44V output, ideal for RVs and faster solar charging with MPPT 650W solar input.
- **UPS Function:** Provides uninterruptible power supply for critical devices during outages.

Product Components:

The ALLPOWERS R1500 LITE Portable Power Station and SP039 600W Foldable Solar Panel.

The R1500 LITE in a camping setting, highlighting its 1056Wh capacity, 1600W AC output, and 9 output ports.

Illustration of the three charging modes: Standard (1000W AC), Fast (1200W AC), and Mute (400W AC).

Official Product Videos:

Video: ALLPOWERS R1500 solar generator. This video demonstrates the R1500's capabilities when paired with solar panels.

Video: ALLPOWERS R1500 Portable power station. A brief overview of the R1500 portable power station's features and design.

3. SETUP

Initial Charging:

Before first use, fully charge the ALLPOWERS R1500 LITE. You can use the included AC charging cable by plugging it into a standard wall outlet. The power station supports 1200W AC input for fast charging, reaching 80% in approximately 50 minutes.

Solar Charging:

Connect the SP039 Solar Panel to the power station using the provided solar charging cable. The R1500 LITE supports MPPT 650W solar input for efficient solar energy collection. Position the solar panel in direct sunlight for optimal charging performance.

4. OPERATING INSTRUCTIONS

Turning On/Off:

Press and hold the main power button for 3 seconds to turn the power station on or off. The LCD display will illuminate.

Using AC Outputs:

Press the AC power button to activate the 4 AC 1600W (3200W Surge) outlets. Plug your devices into the AC ports. Ensure the total wattage of connected devices does not exceed 1600W.

Using DC Outputs:

Press the DC power button to activate the USB-A, USB-C, and 12V cigarette lighter ports. The USB-C ports provide up to 100W output, and USB-A ports provide 18W.

UPS Function:

The R1500 LITE features an Uninterruptible Power Supply (UPS) function. Connect the power station to a wall outlet and then plug your critical devices into the power station's AC outlets. In case of a power outage, the R1500 LITE will automatically switch to battery power within 15ms, ensuring continuous operation for connected devices.

App Control:

Download the ALLPOWERS app to control the R1500 LITE remotely. The app allows you to monitor battery status, switch output modes (AC/DC), and manage settings like mute mode for quiet operation.

5. MAINTENANCE

To ensure the longevity and optimal performance of your ALLPOWERS R1500 LITE Portable Power Station and SP039 Solar Panel, follow these maintenance guidelines:

- **Battery Care:** The LiFePO4 battery is designed for 4000+ cycles. For best results, avoid completely draining the battery frequently. Recharge it regularly, especially if storing for extended periods.
- **Cleaning:** Use a soft, dry cloth to clean the exterior of the power station and solar panel. Do not use abrasive cleaners or solvents.
- **Storage:** Store the power station in a cool, dry, and well-ventilated area. If storing for long periods, ensure the battery is charged to about 50-80% and recharge every 3-6 months.

- **Solar Panel Care:** Keep the solar panel surface clean from dust, dirt, and debris to maximize efficiency.

6. TROUBLESHOOTING

If you encounter issues with your ALLPOWERS R1500 LITE, refer to the following common troubleshooting steps:

- **No Power Output:** Ensure the power station is turned on and the specific AC/DC output buttons are activated. Check if the battery level is sufficient.
- **Device Not Charging:** Verify that the device is properly connected to the correct port. Check the device's power requirements to ensure they are within the power station's output limits.
- **Slow Charging:** For AC charging, ensure you are using the 1200W fast charging mode. For solar charging, ensure the solar panel is in direct sunlight and free from obstructions.
- **Overload Protection:** If the power station shuts down, it might be due to an overload. Disconnect some devices and restart the power station.
- **Display Not Working:** Try restarting the power station. If the issue persists, contact customer support.

7. SPECIFICATIONS

Feature	Specification
Brand	ALLPOWERS
Model Name	R1500 BUNDLE
Wattage	1600 watts (Running), 3000 watts (Starting/Peak)
Capacity	1056Wh
Battery Type	LiFePO4 (4000+ cycles)
AC Output	4 x 1600W (3200W Surge), 100-120V
USB-C Output	2 x 100W
USB-A Output	2 x 18W
DC Output	1 x 12V 10A (Cigarette Lighter)
AC Charging Input	1200W (Fast Charging)
Solar Charging Input	MPPT 650W
Total Power Outlets	11
Item Weight	36.8 Pounds
Product Dimensions	16.25"L x 12.28"W x 10.43"H

Feature	Specification
Solar Panel (SP039)	600W, 44V, Monocrystalline Silicon, 27.5 lbs

8. WARRANTY AND SUPPORT

ALLPOWERS offers protection plans for your product. For detailed information on warranty coverage and to purchase extended protection plans, please refer to the product's official website or your purchase documentation.

- 3-Year Protection Plan
- 4-Year Protection Plan
- Complete Protect (monthly subscription)

For technical support, troubleshooting assistance, or any product-related inquiries, please visit the official ALLPOWERS Store or contact their customer service directly.

Thank you for choosing ALLPOWERS.