

## ALLPOWERS R3500

# ALLPOWERS R3500 Portable Power Station User Manual

Model: R3500 | Brand: ALLPOWERS

## 1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your ALLPOWERS R3500 Portable Power Station. Please read it thoroughly before using the device and retain it for future reference. The ALLPOWERS R3500 is a high-capacity, high-output portable power station designed to provide reliable power for various applications, including home emergency backup, outdoor activities, and RV travel.



Figure 1: ALLPOWERS R3500 Portable Power Station. This image displays the front panel of the R3500 unit, showcasing its various output ports and LCD display.

## 2. SAFETY INSTRUCTIONS

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To ensure safe operation, always follow these guidelines:

- Do not disassemble, repair, or modify the unit.
- Keep the unit away from fire or direct sunlight.
- Do not use or store the unit in a bathroom or in areas exposed to water or rain.
- Do not use the unit in a space with strong static electricity or strong magnetic fields.
- 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 and pets.

## 3. PACKAGE CONTENTS

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The ALLPOWERS R3500 package includes the following items:

- 1x ALLPOWERS R3500 Portable Power Station
- 1x AC Charging Cable
- 1x Solar Charging Cable
- 1x User Manual

## 4. PRODUCT FEATURES

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The ALLPOWERS R3500 Portable Power Station offers advanced features for versatile power delivery:

- **High Capacity & Output:** Equipped with a 3168Wh LiFePO4 battery and 3200W (peak 6000W) pure sine wave AC output.
- **Multiple Output Ports:** Features 15 output ports, including 4x 110V AC outlets, 1x 30A RV AC outlet, 2x 100W USB-C, 4x USB-A, 2x DC5525, 1x Anderson outlet, and 1x 12V/10A car cigarette lighter.
- **Fast Charging:** Fully recharges in 1.5-2 hours via solar panel (2000W max) or wall outlet (1500W max) using proprietary AP-POWER technology.
- **LiFePO4 Battery:** Offers enhanced safety and durability with over 3500 charge cycles to 80% capacity and 6500 cycles to 50% capacity, ensuring up to 10 years of regular use.
- **Uninterruptible Power Supply (UPS):** Provides less than 15ms UPS functionality for critical devices during power outages.
- **Smart Control:** Monitor and control the R3500 remotely via the ALLPOWERS APP using Wi-Fi/Bluetooth for power monitoring, function settings, and system upgrades.
- **Eco Mode:** Allows for scheduled shutdown to optimize battery life.

# MEET ALL STANDARD OF WALL OUTLETS

3168Wh / 3500W



**3-4** Hrs  
Refrigerator (800W)



**3-5** Hrs  
Air Conditioner (8000BTU)



**2.5-3** Hrs  
Washer (1000W)



**1.5-2** Hrs  
Toaster Oven (2000W)

Figure 2: The R3500 can power standard home appliances like refrigerators, air conditioners, washers, and toaster ovens for extended periods.

## ALLPOWERS R3500 PORTABLE POWER STATION





## 5. SETUP GUIDE

### 5.1 Initial Charge

Before first use, fully charge your ALLPOWERS R3500. This ensures optimal battery performance and longevity.

### 5.2 Charging Methods

The R3500 supports multiple charging options:

- **AC Wall Outlet:** Connect the provided AC charging cable to the unit's AC input port and then to a standard wall outlet. The maximum input is 1500W.
- **Solar Panels:** Connect compatible solar panels (up to 2000W max) to the unit's solar input port using the provided solar charging cable. The R3500 features MPPT technology for efficient solar charging.
- **Car Charger:** Use a car charger (not included) to charge the unit via the car cigarette lighter port.



Figure 4: The R3500 can be charged rapidly via AC wall outlet (1500W max) or solar panels (2000W max), reaching full charge in 1.5-2 hours.



Figure 5: Illustration of AC input modes (Fast, Standard, Mute) and Solar input features (MPPT Technology, XT60 Input Port).

## 6. OPERATING INSTRUCTIONS

### 6.1 Powering On/Off

Press and hold the main power button to turn the unit on or off. The LCD display will illuminate upon activation.

### 6.2 Using Output Ports

Activate the desired output section (AC, DC, USB) by pressing its respective button on the front panel. Once activated, plug in your devices. Remember to turn off unused output sections to conserve battery.

### 6.3 Uninterruptible Power Supply (UPS) Function

The R3500 features a less than 15ms UPS function. Connect your critical devices (e.g., CPAP machines, refrigerators, computers) to the AC outlets while the R3500 is connected to wall power. In case of a power outage, the unit will automatically switch to battery power, ensuring continuous operation.

# UPS BATTERY BACKUP

When wall outlet is interrupted, UPS will supply 110V AC power to the load in less than 15ms, protecting devices from damaging

Desktop



Refrigerator



Fish Tank



CPAP



Figure 6: The R3500 provides seamless UPS backup, protecting sensitive devices from power interruptions.





Figure 7: The dedicated 30A RV output is ideal for powering recreational vehicles during long trips or camping.

## 7. DISPLAY AND APP CONTROL

### 7.1 LCD Display

The integrated LCD display provides real-time information about the power station's status:

- Percentage of charge
- Input Power (W)
- Output Power (W)
- AC output hertz number
- Time remaining (charge/discharge)
- Power saving mode icon
- Fast charge mode icon
- Mute mode icon
- Output overload icon
- High temperature warning mark
- Battery pack merge icon
- DC indicates the icon
- AC indicates the icon

- The UPS indicates the ID
- Fan operating ID
- Car charge output icon
- Bluetooth connection icon
- WiFi connection icon

## 7.2 ALLPOWERS APP Control

Download the ALLPOWERS APP to control and monitor your R3500 remotely via Wi-Fi or Bluetooth. The app allows you to:

- Monitor power input/output and battery status.
- Adjust charging modes (Fast/Standard/Silent).
- Set Eco mode for scheduled shutdowns.
- Perform remote control and system upgrades.



Figure 8: The LCD display provides comprehensive status information, while the ALLPOWERS app offers convenient remote control and monitoring.

## 8. MAINTENANCE

To ensure the longevity and optimal performance of your R3500, follow these maintenance tips:

- Store the unit in a cool, dry place away from direct sunlight and extreme temperatures.
- Recharge the unit fully every 3-6 months if not in regular use to maintain battery health.
- Keep the ventilation ports clear of dust and debris.
- Clean the exterior with a dry, soft cloth. Do not use harsh chemicals or abrasive materials.

## 9. TROUBLESHOOTING

If you encounter issues with your ALLPOWERS R3500, refer to the following common troubleshooting steps:

- **Unit not turning on:** Ensure the battery is charged. If not, connect to a power source.
- **No output from ports:** Ensure the specific output section (AC/DC/USB) is activated. Check if the device is properly



connected and within the power limits.

- **Overload warning:** Disconnect devices exceeding the maximum output wattage. The unit may automatically reset or require manual reset.
- **Overheating:** Ensure ventilation ports are clear. Move the unit to a cooler environment.
- **App connectivity issues:** Ensure Bluetooth/Wi-Fi is enabled on your smartphone and the unit. Try restarting both the app and the power station.


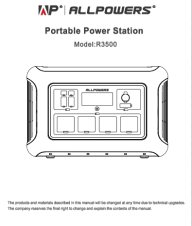




For persistent issues, contact ALLPOWERS customer service.

## 10. SPECIFICATIONS

Feature	Specification
Brand	ALLPOWERS
Model Name	R3500 (AP-SS-010MAX-BLA-US)
Wattage	3200 watts (Running), 6000 watts (Starting)
Battery Capacity	3168Wh
Battery Type	LiFePO4
Voltage	110 Volts
Total Power Outlets	15
AC Output	4x 110V 3200W (Pure Sine Wave), 1x 30A RV Outlet
USB-C Output	2x 100W
USB-A Output	4x
DC Output	2x DC5525, 1x Anderson, 1x Car Cigarette Lighter (12V/10A)
AC Charging Input	1500W Max
Solar Charging Input	2000W Max
Recharge Time (0-100%)	1.5-2 Hours
UPS Function	<15ms Switching
Connectivity	Wi-Fi, Bluetooth (ALLPOWERS APP)
Item Weight	93 Pounds
Product Dimensions	14.17"L x 13.58"W x 20.86"H
Material	Metal, Plastic

## 11. WARRANTY AND SUPPORT

The ALLPOWERS R3500 Portable Power Station comes with an impressive **6-year warranty**. For any questions, technical assistance, or warranty claims, please contact ALLPOWERS customer service. Our friendly support team is available to assist you.

	<p><a href="#">ALLPOWERS R3500 Power Station User Guide   Portable Solar Generator</a></p> <p>Comprehensive user guide for the ALLPOWERS R3500 portable power station and solar generator. Learn about features, specifications, safe operation, and maintenance for reliable backup power.</p>
	<p><a href="#">ALLPOWERS R3500 Portable Power Station User Manual</a></p> <p>Comprehensive user manual for the ALLPOWERS R3500 Portable Power Station. Details specifications, safety instructions, AC and solar charging, UPS functionality, and mobile app operation for reliable portable power.</p>
	<p><a href="#">ALLPOWERS R3500 Portable Power Station User Manual and Guide</a></p> <p>Comprehensive user manual for the ALLPOWERS R3500 portable power station (Model AP-SS-010-MAX). Learn about features, specifications, safety precautions, operation, charging, and troubleshooting for this high-capacity battery generator.</p>
	<p><a href="#">ALLPOWERS R3500 Home Backup Power Station User Guide</a></p> <p>Comprehensive user guide for the ALLPOWERS R3500 Home Backup Power Station (Model AP-SS-010-PRO), covering setup, operation, safety, and specifications. Learn how to use your portable power station for home backup and outdoor adventures.</p>
	<p><a href="#">Allpowers R3500 Portable Power Station User Guide - LFP Battery</a></p> <p>Comprehensive user guide for the Allpowers R3500 portable power station, featuring a high-capacity Lithium Iron Phosphate (LFP) battery. Learn about specifications, operation, safety, and maintenance.</p>
	<p><a href="#">ALLPOWERS R600 Portable Power Station User Manual and Guide</a></p> <p>Explore the ALLPOWERS R600 Portable Power Station with this comprehensive user manual. Learn about its LiFePO4 battery, 600W output, charging options, safety guidelines, and troubleshooting tips for efficient operation.</p>