

[manuals.plus](#) /› [ALLWEI](#) /› [ALLWEI Portable Power Station 300W 256Wh User Manual](#)

ALLWEI PPS300-4

ALLWEI Portable Power Station 300W 256Wh User Manual

Model: PPS300-4

Brand: ALLWEI

1. INTRODUCTION

Thank you for choosing the ALLWEI Portable Power Station. This manual provides essential information for the safe and efficient operation of your device. Please read it thoroughly before use and retain it for future reference.

Package Contents:

- 1x ALLWEI 300W/256Wh Portable Power Station
- 1x AC Cable
- 1x DC Car Cable
- 1x User Manual

Note: ALLWEI Solar Panel sold separately.



Figure 1: ALLWEI Portable Power Station 300W 256Wh. This image shows the main unit of the portable power station with its display and various output ports.

2. SAFETY INSTRUCTIONS

To ensure safe operation and prolong the lifespan of your power station, please adhere to the following guidelines:

- Do not disassemble, repair, or modify the unit.
- Keep the device away from heat sources, direct sunlight, and flammable materials.
- Avoid exposure to water or high humidity.
- Use only original or certified cables and adapters for charging.
- Ensure proper ventilation during use and charging.
- The advanced Battery Management System (BMS) provides 6-layer protection against short-circuit, over-current, over-voltage, etc.

3. PRODUCT OVERVIEW

The ALLWEI Portable Power Station is designed for versatility and ease of use, featuring multiple output ports and a clear display.

Ports and Display:

POWER 6 DEVICES SIMULTANEOUSLY



1* AC Pure Sine Wave Output
110V-60Hz 300W Max



1* DC Car Outlet Output
12V/10A



2* DC 5521 Outputs
12V/3A



1* USB-A Fast Charge Output
18W Max



1* USB-C Output
60W Max



Figure 2: Front view of the ALLWEI Portable Power Station, highlighting the various input and output ports, along with the central display screen.

ADJUSTABLE 3-LEVEL LEDLIGHT SOS MODE



Figure 3: Detailed diagram illustrating the specific functions and specifications of each port and button on the power station, including AC outlets, DC outputs, USB-A, USB-C, and the LED light.

- **AC Outlets:** 1x 110V/300W Max (Pure Sine Wave)
- **DC Outputs:** 2x DC5521 ports (12V/3A), 1x Car Cigarette Lighter Port (DC12V/8A)
- **USB Ports:** 1x USB-A Fast Charge (18W), 1x USB-C PD (60W)
- **Display:** Shows battery level, input/output wattage, and estimated remaining runtime.
- **LED Light:** 3-level adjustable LED light with SOS mode.

4. SETUP

Initial Charging:

Before first use, fully charge your ALLWEI Portable Power Station. Use the provided AC cable to connect the unit to a wall outlet. The display will indicate charging status. A full charge typically takes 3.5-4 hours via AC wall charging.

5. OPERATING INSTRUCTIONS

Powering On/Off Outputs:

- To activate AC outputs, press the 'AC' button.
- To activate DC outputs (including car port), press the 'DC' button.
- To activate USB outputs, press the 'USB' button.
- Press the respective button again to turn off the outputs.

Using the LED Light:

Press the 'LED' button to turn on the light. Subsequent presses will cycle through 3 brightness levels and an SOS flashing mode. Press and hold to turn off.



Figure 4: A person utilizing the adjustable 3-level LED light with SOS mode from the power station inside a tent, demonstrating its utility for night camping or emergencies.

Simultaneous Charging:

The power station can charge up to 6 devices simultaneously. The display will update to show the combined output wattage and estimated remaining runtime.

LIGHT WEIGHT&PORTABLE

Easy to carry everywhere



Figure 5: The ALLWEI Portable Power Station connected to and charging multiple devices, including a laptop, drone, and smartphone, illustrating its capability to power up to 6 devices simultaneously in an outdoor setting.

Official Product Videos:

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Video 1: Showcasing Allwei Portable Power Station. This video provides a general overview and demonstration of the ALLWEI Portable Power Station's features and functionality.

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Video 2: Allwei for the win! This short video highlights the convenience and reliability of the ALLWEI Portable Power Station in various scenarios.

6. RECHARGING THE POWER STATION

The ALLWEI Portable Power Station offers multiple flexible recharging options:

- **AC Wall Charging:** Fully recharges in 3.5-4 hours using the provided AC cable.
- **12V Car Charging:** Fully recharges in 3.5-4 hours using the provided DC car cable.

- **Solar Panel Charging:** Fully recharges in 4-5 hours with a 100W solar panel (sold separately). The built-in MPPT controller optimizes solar charging efficiency.
- **Dual Charging (AC + Solar):** Achieve a full recharge in just 2-2.5 hours by combining AC wall charging and solar panel input.

ULTRA-FAST RECHARGE



Figure 6: Visual representation of the multiple recharging options available for the ALLWEI Portable Power Station, including AC wall, car, solar, and combined AC+solar charging.

7. MAINTENANCE

Storage:

Store the power station in a cool, dry place away from direct sunlight and extreme temperatures. For optimal battery health, recharge the unit every 3-6 months, even if not in use, to maintain a charge level above 50%.

Cleaning:

Wipe the exterior of the power station with a soft, dry cloth. Do not use abrasive cleaners or immerse the unit in water.

8. TROUBLESHOOTING

If you encounter issues with your ALLWEI Portable Power Station, please refer to the following common solutions:

- **Device not charging:** Ensure the power station is sufficiently charged and the output port is activated. Check the connection cable for damage.
- **Power station not charging:** Verify that the charging cable is securely connected to both the power station and the power source. Try a different outlet or charging method.
- **Display not working:** Ensure the power station is turned on. If the issue persists, contact customer support.

For more complex issues or persistent problems, please contact ALLWEI customer service.

9. SPECIFICATIONS

Feature	Detail
Brand	ALLWEI
Model Name	Portable Power Station
Item Model Number	PPS300-4
Wattage	300 watts (Running), 600 watts (Peak)
Battery Capacity	256Wh LiFePO4
Battery Cycles	3000+ (approx. 10-year lifespan)
Output Ports	1x AC, 2x DC5521, 1x Car Port, 1x USB-A (18W), 1x USB-C (60W)
AC Output Voltage	110 Volts
Charging Methods	AC Wall, 12V Car, Solar Panel, Dual (AC+Solar)
AC Charging Time	3.5-4 hours
Solar Charging Time (100W)	4-5 hours
Dual Charging Time (AC+Solar)	2-2.5 hours
Item Weight	6.4 Pounds
Product Dimensions	9.25" L x 5" W x 6.8" H

Special Features	LiFePO4, Pure Sine Wave, MPPT Controller, 3-level LED light with SOS mode, BMS Protection
Material	ABS
UPC	732133487990

10. WARRANTY AND SUPPORT

ALLWEI stands behind the quality of its products. Your Portable Power Station is covered by a comprehensive warranty and dedicated customer support.

- **Warranty:** 5-year warranty.
- **Customer Service:** 7x24 customer service is available to assist you with any questions or concerns.
- **Returns:** Enjoy a 30-day no-hassle return policy.

For assistance, please reach out to us at:support@allweipower.com