

Schneider Electric PPS500

Schneider Electric OffGrid 500 Portable Power Station (PPS500) User Manual

Model: PPS500 | Capacity: 517Wh

1. INTRODUCTION

This manual provides essential instructions for the safe and efficient operation, maintenance, and troubleshooting of your Schneider Electric OffGrid 500 Portable Power Station (PPS500). Please read this manual thoroughly before using the product and retain it for future reference.

The Schneider Electric OffGrid 500 is a portable power station designed to provide reliable power for various devices, whether you are camping, at home, or in situations where grid power is unavailable. It features a 517Wh lithium-ion battery, multiple charging options, and a variety of output ports.

2. SAFETY INSTRUCTIONS

Observe the following safety precautions to prevent injury or damage to the product:

- Do not disassemble, repair, or modify the unit. Incorrect reassembly may cause fire or electric shock.
- Do not place the unit near fire or expose it to direct sunlight or high temperatures.
- Do not use or store the unit in a bathroom or in areas exposed to water or moisture.
- Do not drop, strike, or subject the unit to strong impacts.
- Use only approved accessories and chargers.
- Keep the unit out of reach of children and pets.
- Ensure proper ventilation during use and charging to prevent overheating.
- If the unit emits smoke, strange odors, or other abnormal phenomena, stop using it immediately and contact customer support.

3. PACKAGE CONTENTS

Verify that all items are included in your package:

- Schneider OffGrid 500 Portable Power Station (PPS500)
- AC Charging Cable
- DC Charging Cable
- Safety Guide
- Quick Start Guide

4. PRODUCT OVERVIEW

Familiarize yourself with the components and interfaces of your OffGrid 500 Portable Power Station.



Figure 4.1: Front Panel Overview

This image displays the front of the PPS500, highlighting the AC outlets, USB ports, DC input, and the digital display showing battery status and power flow.



Figure 4.2: Top Panel Overview

This image shows the top of the PPS500, featuring the integrated wireless charging pad for compatible devices.



Figure 4.3: Rear Panel Overview

This image illustrates the back of the PPS500, where the AC input port is located for wall charging.

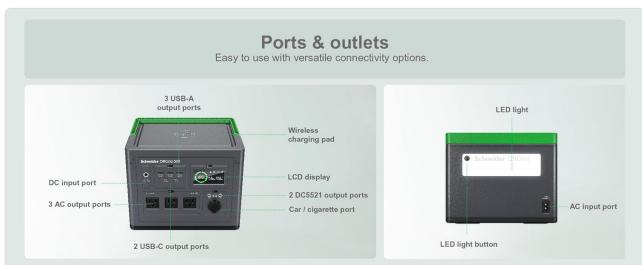


Figure 4.4: Ports and Outlets Diagram

A detailed diagram labeling all input and output ports, including USB-A, USB-C, AC outlets, DC input, and the car/cigarette port.

5. SETUP

5.1 Initial Charging

Before first use, fully charge your OffGrid 500. This ensures optimal battery performance and calibration.

1. Connect the provided AC charging cable to the AC input port on the back of the power station.
2. Plug the other end of the AC charging cable into a standard wall outlet.
3. The digital display will show the charging status. Charge until the display indicates 100%.

You can also charge via the DC input port using the DC charging cable or an optional solar panel (sold separately).

6. OPERATING INSTRUCTIONS

6.1 Charging the OffGrid 500

The OffGrid 500 offers multiple ways to recharge:

- **Wall Charging:** Use the AC charging cable connected to a standard wall outlet.
- **Car Charging:** Use the DC charging cable connected to your vehicle's 12V car outlet.
- **Solar Charging:** Connect compatible solar panels (sold separately, e.g., PSP100 or PSP200 models) to

the DC input port.

For faster charging, you can combine AC and DC charging simultaneously.



Figure 6.1: Recharging Methods

This diagram illustrates the various charging options available for the PPS500, including wall, car, and solar panel connections.

6.2 Powering Your Devices

The OffGrid 500 can power up to 12 devices simultaneously through its various output ports:

- **AC Outlets:** Press the AC power button to activate the three 500W AC outlets. Connect devices requiring standard wall power.
- **USB Ports:** Connect your USB-A or USB-C devices to the respective ports. The USB-C ports support Power Delivery (PD 60W) and Quick Charge (QC 18W).
- **DC Car Port:** Connect 12V DC devices to the car port.
- **Wireless Charging:** Place your Qi-compatible device on the wireless charging pad on top of the unit.

The digital display provides real-time information on input and output wattage, as well as battery percentage.

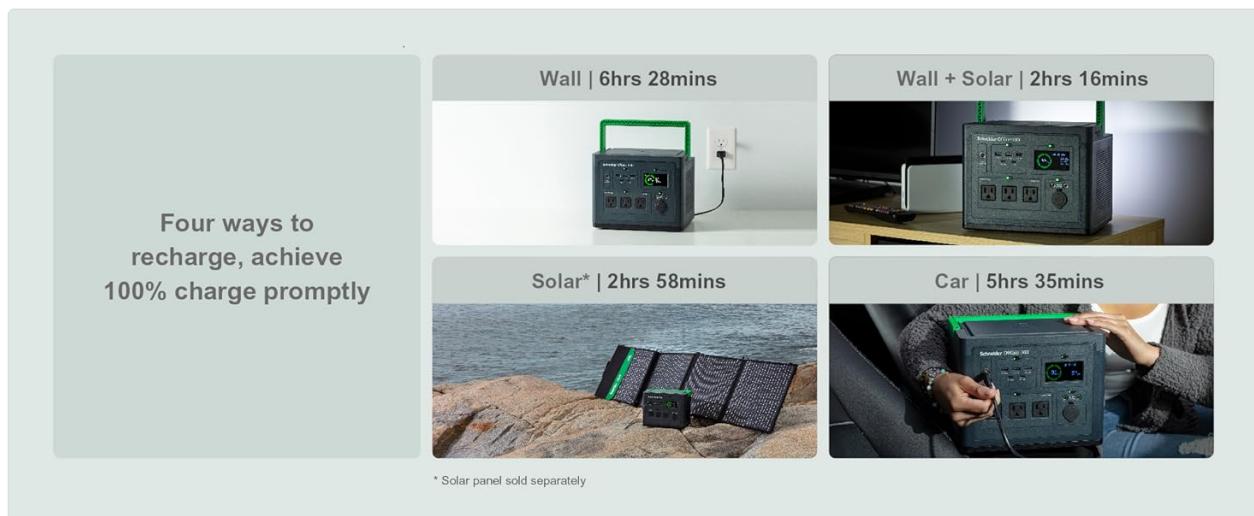


Figure 6.2: Device Powering Capabilities

This image illustrates the estimated usage times for various off-grid and indoor devices when powered by the PPS500, such as drones, mini-fridges, phones, laptops, and CPAP machines.

6.3 Ambient LED Light and SOS Mode

The unit includes an ambient LED light for illumination and an SOS flashing mode for emergencies.

- Press the LED light button (located on the side/back) once for constant illumination.
- Press it again to activate the SOS flashing mode.
- Press a third time to turn off the light.

7. MAINTENANCE

7.1 Battery Care

- To prolong battery life, fully charge the unit at least once every 3-6 months, even if not in use.
- Avoid completely draining the battery frequently.
- The PPS500 uses LG cells engineered to retain over 80% capacity after 1000 charge cycles.

7.2 Storage

- Store the unit in a cool, dry place away from direct sunlight and extreme temperatures.
- Ensure the unit is turned off before storing.

7.3 Cleaning

- Use a dry, soft cloth to clean the exterior of the unit.
- Do not use abrasive cleaners or immerse the unit in water.

8. TROUBLESHOOTING

If you encounter issues with your OffGrid 500, refer to the following common problems and solutions:

| Problem | Possible Cause | Solution |
|--------------------------------------|--|---|
| Unit not turning on | Battery is completely drained; Power button not pressed correctly. | Charge the unit using an AC adapter. Press and hold the power button for 3 seconds. |
| Devices not charging from AC outlets | AC output not activated; Device power consumption exceeds 500W; Overload protection activated. | Press the AC power button. Check device wattage. Disconnect high-power devices and restart. |
| Slow charging via solar panel | Insufficient sunlight; Panel not positioned correctly; Panel wattage too low. | Ensure direct sunlight exposure. Adjust panel angle. Consider a higher wattage solar panel. |
| Wireless charging not working | Device not Qi-compatible; Device not properly aligned; Foreign objects on charging pad. | Verify device compatibility. Reposition device on the pad. Remove any obstructions. |

If the problem persists, please contact Schneider Electric customer support.

9. SPECIFICATIONS



Figure 9.1: Product Dimensions

This image provides a visual representation of the PPS500's physical dimensions and weight.

| Feature | Detail |
|------------------------|--|
| Model Name | Schneider OffGrid Portable Power Station |
| Model Number | PPS500 |
| Capacity | 517Wh |
| AC Output | 3 x 500W (Pure Sine Wave), 1200W Starting Wattage |
| USB-A Output | 3 x 5V=2.4A |
| USB-C Output | 1 x PD 60W, 1 x QC 18W |
| DC Car Port Output | 1 x 12V-10A |
| Wireless Charging | Yes |
| Input (AC) | 120VAC, 60Hz |
| Input (DC) | 12-30V=10A |
| Battery Type | Lithium Ion (LG cells) |
| Cycle Life | >80% capacity after 1000 cycles |
| Dimensions (L x W x H) | 9.8" x 7.9" x 8" |
| Weight | 12.1 lbs |
| Special Features | Digital Display, Ambient LED Light with SOS Mode, Eco-mode, Made with 50% Recycled Materials |
| Color | Black |

10. WARRANTY AND SUPPORT

10.1 Warranty Information

The Schneider Electric OffGrid 500 Portable Power Station (PPS500) is covered by a **2-Year Manufacturer Warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

The warranty does not cover damage caused by misuse, abuse, unauthorized modification, improper storage, or natural disasters. Please retain your proof of purchase for warranty claims.

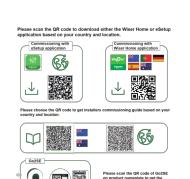
10.2 Customer Support

For technical assistance, warranty claims, or any questions regarding your OffGrid 500, please contact Schneider Electric customer support through their official website or the contact information provided in your quick start guide.

You can also visit the [Schneider Electric Store on Amazon](#) for additional product information and resources.

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Related Documents - PPS500

| | |
|---|---|
|  | <p>Conext Automatic Generator Start (AGS) 865-1060-01 Quick Start Guide Schneider Electric</p> <p>Quick start guide for the Schneider Electric Conext Automatic Generator Start (AGS) model 865-1060-01. Covers safety, installation, wiring, generator connection, Xanbus network setup, and configuration.</p> |
|  | <p>Schneider Charge: Installation and Commissioning Guide</p> <p>Comprehensive guide for installing and commissioning the Schneider Electric Schneider Charge electric vehicle charging station. Learn setup procedures using eSetup and Wiser Home applications, smart charging integration, and network connectivity for optimized EV charging.</p> |
|  | <p>Schneider Charge Pro EV Charging Station Commissioning Guide</p> <p>Comprehensive guide for setting up and commissioning the Schneider Charge Pro electric vehicle charging station using the eSetup mobile application. Covers installation, network configuration, electrical settings, load management, remote management, and troubleshooting.</p> |

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|   | <p><u>Schneider Charge EV Charger User Guide: Installation, Operation, and Features</u></p> <p>Explore the Schneider Charge EV Charger user guide for detailed information on installation, features, operation, safety, and smart charging capabilities. Learn how to optimize your electric vehicle charging experience with Schneider Electric.</p> |
|   | <p><u>Easergy MiCOM P34x & P391 Generator Protection Relay Technical Manual</u></p> <p>Comprehensive technical manual for Schneider Electric's Easergy MiCOM P34x and P391 series generator protection relays. Covers installation, operation, technical data, safety information, and more.</p> |
|   | <p><u>Schneider Electric Altivar Process ATV630D30Y6 Variable Speed Drive Data Sheet</u></p> <p>Detailed technical specifications and data for the Schneider Electric Altivar Process ATV630D30Y6 variable speed drive, including electrical characteristics, performance curves, dimensions, and environmental data.</p> |