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PAXCESS ROCKMAN 300

PAXCESS Portable Power Station User Manual

Model: ROCKMAN 300

Brand: PAXCESS

1. INTRODUCTION

The PAXCESS Portable Power Station (Model: ROCKMAN 300) is a versatile and reliable power solution designed for various applications, including outdoor activities, RV/van camping, fishing, travel, and emergency backup. This manual provides essential information on the safe and efficient operation, maintenance, and troubleshooting of your power station.

With a substantial 288Wh/78000mAh capacity, this power station can charge up to 8 devices simultaneously, offering a convenient and portable energy source wherever you need it.

2. PRODUCT OVERVIEW

2.1 Unit Components

Familiarize yourself with the various ports and features of your PAXCESS Portable Power Station.

Powering 8 Devices Simultaneously

2* USB-A Ports
(5V/3.1A)

1* QC 3.0
Port (18W)



1* AC Outlet
(110V, 300W,
500W Peak)

1* Car Outlet
(12V/10A, 120W max)

2* DC Outputs
(12V/5A, 60W max)

1* USB-C PD Output
(20V/1.5A, 30W max)

Image: Front view of the PAXCESS Portable Power Station, highlighting its various output ports. These include two USB-A ports (5V/3.1A), one QC 3.0 USB port (18W), one USB-C PD port (20V/1.5A, 30W), one AC outlet (110V, 300W running, 500W peak), one car outlet (12V/10A, 120W max), and two DC outputs (12V/5A, 60W max). The display screen shows input, output, and battery percentage.

- **AC Outlet:** 110V Pure Sine Wave (300W running, 500W Peak)
- **Car Outlet:** 12V/10A, 120W Max
- **DC Outputs:** 2 x 12V/10A
- **USB Ports:** 1 x QC 3.0 (18W Max), 2 x 5V/3A
- **Type C PD Port:** 20V/1.5A, 30W Max
- **Display Screen:** Shows input, output, and battery level.
- **Handle:** Foldable for easy transport and storage.

2.2 Capacity and Usage Examples

The 288Wh/78000mAh capacity provides ample power for various devices.

288Wh 78000mAh Capacity



Image: An infographic demonstrating the 288Wh 78000mAh capacity of the power station. It shows estimated recharges or runtimes for common devices: Phone (2000mAh) - 25 charges, GoPro (4000mAh) - 17 charges, Laptop (60Wh) - 4 charges, Mini Fridge (50W) - 4-5 hours, Fan (40W) - 5-6 hours, Tablet (30Wh) - 8 charges, Drone (60Wh) - 4 charges, Camera (16Wh) - 15 charges, Lamp (10W) - 22-24 hours. The image also depicts people using the power station in an outdoor camping setting.

2.3 Portability and Design

Designed for ease of transport and use in various environments.

Portable and Travel-friendly



Size: 10.6*7.1*6.5in



Weight: 7.3lb

Image: Two individuals hiking outdoors with the PAXCESS Portable Power Station. The image highlights its compact size (10.6"L x 7.1"W x 6.5"H) and light weight (7.3 lbs), emphasizing its portability and travel-friendly design for outdoor adventures.



Image: A detailed view of the PAXCESS Portable Power Station with its dimensions clearly labeled: 10.6 inches in length, 7.1 inches in width, and 6.5 inches in height. This image provides a clear understanding of the unit's physical size.

3. SETUP

3.1 Initial Charging

Before first use, it is recommended to fully charge your PAXCESS Portable Power Station. This ensures optimal battery performance and longevity.

1. Connect the provided AC adapter to the DC input port on the power station.
2. Plug the AC adapter into a standard wall outlet.
3. The display screen will indicate charging status. The unit is fully charged when the battery indicator shows 100%.

Initial charging typically takes 5-6 hours using the AC adapter.

4. OPERATING INSTRUCTIONS

4.1 Turning On/Off

- To turn on the power station, press and hold the main power button until the display screen illuminates.
- To turn off the power station, press and hold the main power button until the display screen turns off.

4.2 Using AC Output

- Press the "AC" button to activate the AC outlet. The AC indicator on the display will light up.
- Plug your AC-powered device into the 110V AC outlet. Ensure the device's power consumption does not exceed 300W (500W peak).
- After use, press the "AC" button again to turn off the AC output and conserve battery.

4.3 Using DC and USB Outputs

- The DC and USB outputs are typically active when the main power station is on.
- Plug your USB-powered devices into the USB-A, QC 3.0, or USB-C PD ports.
- Plug your 12V DC devices into the DC output ports or the car outlet.

4.4 Safety Features

The power station incorporates several safety features to protect both the unit and your devices.



Image: A visual representation of the safety features integrated into the PAXCESS Portable Power Station. These include Multifunction

protection, BMS (Battery Management System) Protection, Pure Sine Wave output for stable power, MPPT (Maximum Power Point Tracking) Controller for efficient solar charging, FC Safety Certificate, and Overheat Alarm. The power station is shown next to a mini-fridge in an outdoor setting, emphasizing its stable and safe power supply.

- **Battery Management System (BMS):** Provides short circuit protection, voltage control, and temperature control.
- **Pure Sine Wave:** Ensures stable and clean power output, suitable for sensitive electronics.
- **Overheat Alarm:** Alerts the user if the unit's temperature exceeds safe operating limits.

5. RECHARGING THE POWER STATION

Your PAXCESS Portable Power Station offers multiple recharging options to suit various situations.



 +  AC Adapter + USB-C PD
4-5 Hours

 AC Adapter **5-6 Hours**
 USB-C PD **10-11 Hours**



 Car Charger
14-16 Hours



 120W Solar Panel
5-7 Hours (In Full Sunlight)

Image: An illustration detailing the five different methods to recharge the PAXCESS Portable Power Station. These methods include: 1. AC Adapter + USB-C PD (4-5 hours), 2. AC Adapter only (5-6 hours), 3. USB-C PD only (10-11 hours), 4. Car Charger (14-16 hours), and 5. 120W Solar Panel (5-7 hours in full sunlight, solar panel sold separately). The image shows visual examples for each charging method.

1. **AC Wall Outlet:** Use the included AC adapter. Full charge in approximately 5-6 hours.
2. **AC Wall Outlet + USB-C PD:** Combine the AC adapter with a 30W USB-C PD input for faster charging. Full charge

in approximately 4-5 hours.

3. **USB-C PD Input:** Charge via the 30W USB-C PD port. Full charge in approximately 10-11 hours.
4. **Car Port:** Use the included car charging cable to recharge from your vehicle's 12V car outlet. Full charge in approximately 14-16 hours.
5. **Solar Panel (Sold Separately):** Connect a PAXCESS 120W Solar Panel (not included) for environmentally friendly charging. Full charge in approximately 5-7 hours in full sunlight.

6. SPECIFICATIONS

Feature	Detail
Brand	PAXCESS
Model Number	ROCKMAN 300
Battery Capacity	288Wh / 78000mAh
AC Output	110V, 300W (500W Peak), Pure Sine Wave
Car Outlet	12V/10A, 120W Max
DC Outputs	2 x 12V/10A
USB-A Output	2 x 5V/3A
QC 3.0 USB Port	18W Max
USB-C PD Port	20V/1.5A, 30W Max
Recharging Input (DC)	24V (Max 24V input)
Dimensions (L x W x H)	10.6" x 7.1" x 6.5"
Weight	7.3 Pounds
Operating Temperature	0°C to 40°C (32°F to 104°F)
Charging Temperature	0°C to 40°C (32°F to 104°F)

7. MAINTENANCE

7.1 Storage

- Store the power station in a cool, dry place away from direct sunlight and extreme temperatures.
- For long-term storage, charge the unit to approximately 50-80% every 3-6 months to maintain battery health.
- Avoid storing in environments with high humidity or corrosive substances.

7.2 Cleaning

- Use a soft, dry cloth to clean the exterior of the power station.
- Do not use abrasive cleaners or solvents.
- Ensure all ports are free of dust and debris.

7.3 Battery Care

- Avoid fully discharging the battery frequently, as this can reduce its lifespan.
- Charge the unit regularly, even if not in frequent use.
- Do not expose the unit to temperatures outside its recommended operating range.

8. TROUBLESHOOTING

If you encounter issues with your PAXCESS Portable Power Station, refer to the following common problems and solutions.

Problem	Possible Cause	Solution
Unit does not turn on.	Battery is completely discharged; Power button not held long enough.	Charge the unit using the AC adapter; Press and hold the power button for 3-5 seconds.
AC output not working.	AC output not activated; Device power consumption too high; Overload protection triggered.	Press the "AC" button to activate; Check device wattage; Disconnect device, turn off AC, then restart.
Unit not charging.	Charging cable/adaptor faulty; Input port loose; Extreme temperature.	Ensure connections are secure; Try a different charging method; Move unit to a suitable temperature environment.
Display screen is blank.	Unit is off; Battery is critically low.	Turn on the unit; Charge the unit immediately.

If the problem persists after attempting these solutions, please contact PAXCESS customer support for further assistance.

9. WARRANTY AND SUPPORT

PAXCESS provides an **18-month warranty** for the Portable Power Station (Model: ROCKMAN 300) from the date of purchase. This warranty covers manufacturing defects and workmanship under normal use.

Additionally, PAXCESS offers **life-long technical support** for this product. If you have any questions, require assistance, or experience issues not covered in this manual, please do not hesitate to contact our customer service team.

Contact Information:

Please refer to the contact details provided on the PAXCESS official website or your purchase documentation.

For the quickest support, have your model number and purchase date ready.