Aaoyun AOY-320

Aaoyun AOY-320 Portable Power Station User Manual

Brand: Aaoyun | Model: AOY-320

Introduction

Thank you for choosing the Aaoyun AOY-320 Portable Power Station. This device is a versatile and reliable power solution designed for outdoor adventures, camping, and home emergency backup. Featuring a 296Wh battery capacity, 300W pure sine wave AC output, 100W USB-C Power Delivery, and integrated lighting, it ensures your essential devices remain powered. Please read this manual thoroughly before operating your power station to ensure safe and optimal performance.

Product Overview

The Aaoyun AOY-320 Portable Power Station is engineered for convenience and durability. It features multiple output ports, a robust battery management system (BMS), and integrated lighting solutions for various scenarios.

Key Features:

- **296Wh Battery Capacity:** Provides ample power for extended use.
- **300W Pure Sine Wave AC Output:** Safely powers sensitive electronics.
- **100W USB-C PD (In/Output):** Fast charging for compatible devices and quick recharging of the power station.
- **Integrated Lighting:** Features a 360° camping night light with 6 modes and a high-intensity LED flashlight with 3 brightness levels and SOS/strobe modes.
- **Multiple Output Ports:** Includes 1x AC, 1x 12V/10A DC, 1x 12V/10A car port, 1x 100W USB-C PD, and 3x QC 3.0 USB-A ports.
- **Portable Design:** Lightweight at 7.1 pounds with a built-in handle and detachable strap for easy transport.
- **Safety Features:** Equipped with BMS for over-voltage, over-current, and short-circuit protection, along with cooling vents to prevent overheating.

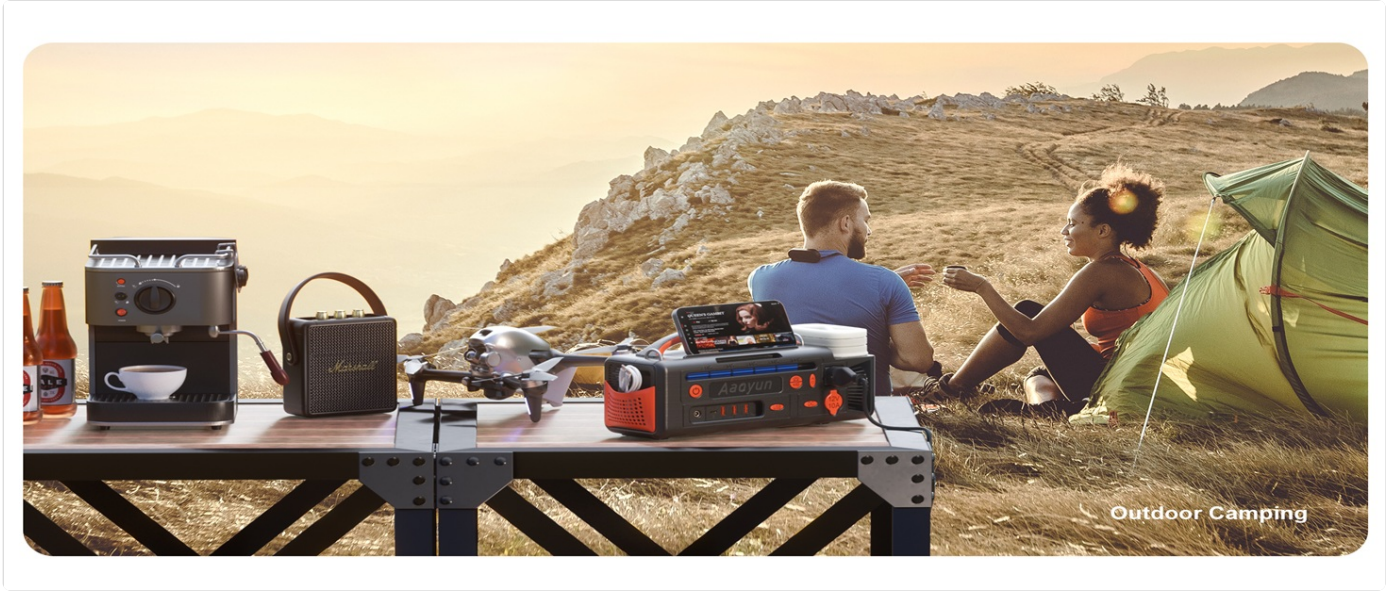


Image: The Aaoyun AOY-320 Portable Power Station in an outdoor setting, showcasing its ability to power multiple devices simultaneously.

Setup

Unboxing and Initial Inspection:

- Carefully remove all components from the packaging.
- Verify that all included items are present: 1x AOY-320 Portable Power Station, 1x GaN Power Adapter, 1x Strap, 2x USB-C cables, 1x User Manual.
- Inspect the power station for any visible damage. If damaged, do not operate and contact customer support.

Video: An unboxing and initial overview of the Aaoyun AOY-320 Portable Power Station, demonstrating the contents of the package and initial setup.

Initial Charge:

It is recommended to fully charge the power station before first use. Use the provided GaN Power Adapter and USB-C cable for optimal charging speed.

- Connect the GaN Power Adapter to a wall outlet.
- Connect the USB-C cable from the adapter to the 100W USB-C PD (IN/OUT) port on the power station.
- The battery level indicator on the display will show charging progress.
- Charging from 0% to 80% takes approximately 1.3 hours via 100W USB-C PD.

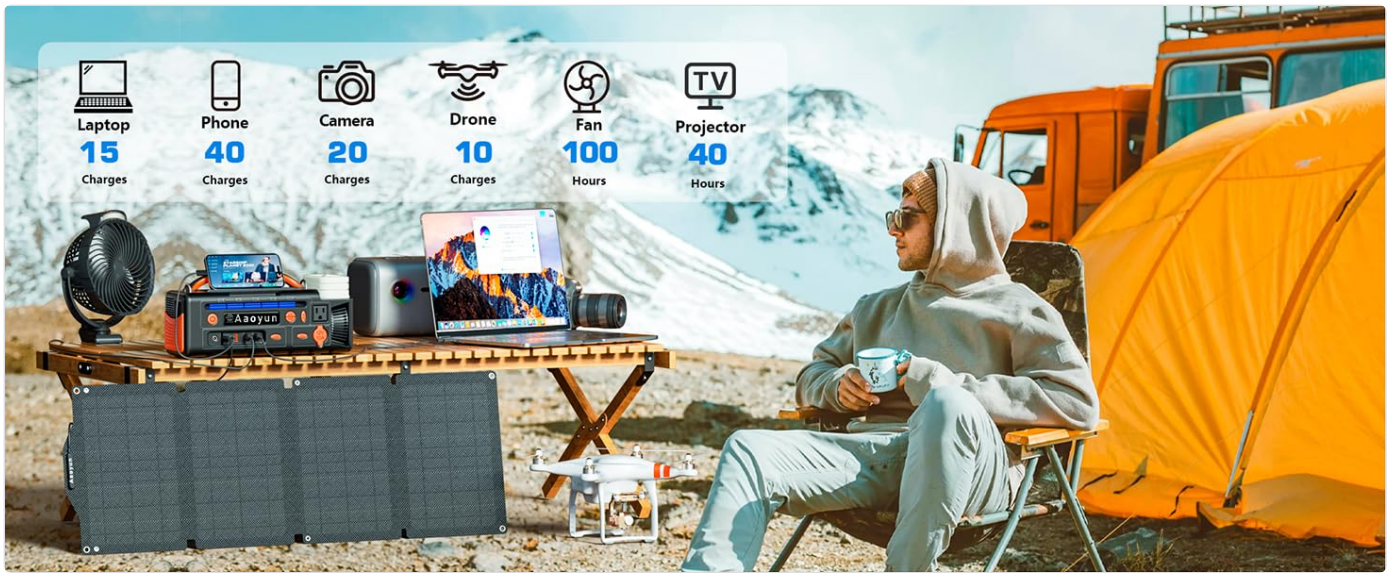


Image: The Aaoyun AOY-320 Portable Power Station illustrating its three charging methods: wall outlet, car socket, and solar panel.

Operating Instructions

Powering On/Off:

- To power on the device, press and hold the main power button (red circle with power symbol) for 3 seconds. The battery level indicator will light up.
- To power off, press and hold the main power button for 3 seconds.

Using Output Ports:

Each output section (AC, DC, USB) has its own power button. Press the respective button to activate or deactivate the ports.

- **AC Output (300W):** Press the 'AC' button to enable the AC outlet. Plug in your AC-powered devices.
- **DC Output (12V/10A):** Press the 'DC' button to enable the DC and car ports. Plug in your 12V DC devices.
- **USB Output (USB-C PD 100W, USB-A QC 3.0 22.5W):** Press the 'USB' button to enable the USB ports. Connect your USB-powered devices.



Image: A detailed view of the Aaoyun AOY-320 Portable Power Station's control panel, highlighting the various output ports and their activation buttons.

Using the Lights:

The power station features both a high-intensity LED flashlight and a 360° camping night light.

- **LED Flashlight:** Press the flashlight button (icon with flashlight) to cycle through 3 brightness levels (low, medium, high), SOS mode, and strobe mode.
- **360° Camping Night Light:** Gently pull up the collapsible diffuser on the side to activate the camping light. Press the light bulb button (icon with light bulb) to cycle through 4 lighting modes (low warm, high warm, low white, high white).

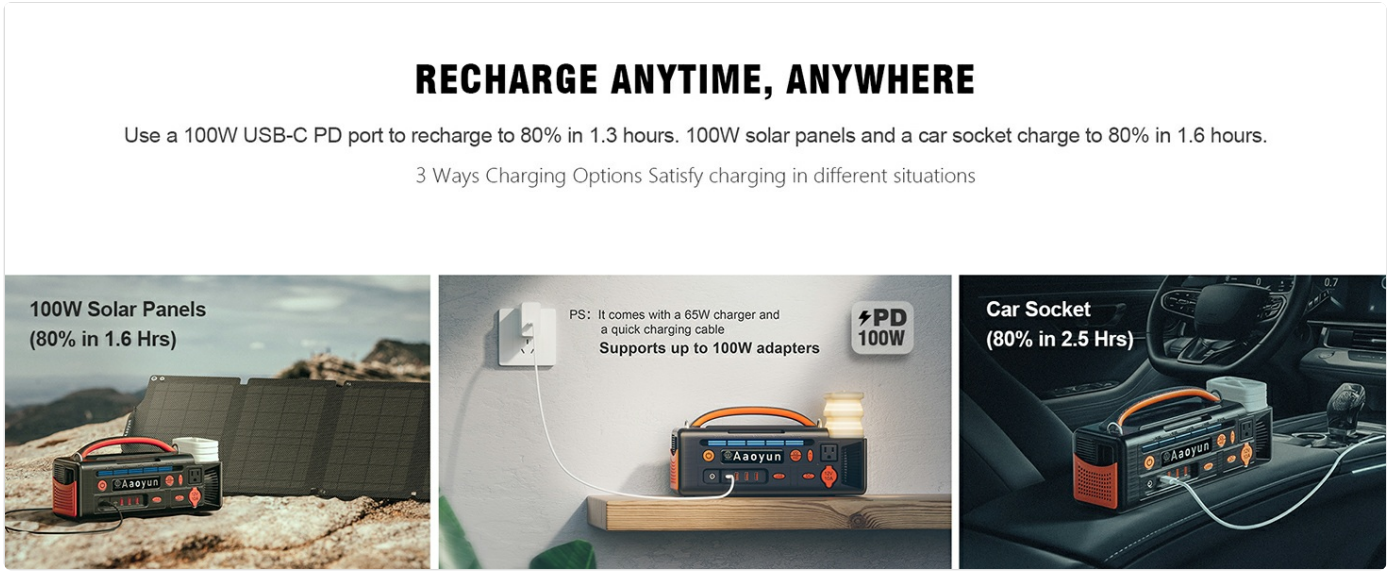


Image: The Aaoyun AOY-320 Portable Power Station's LED flashlight in action, showing its impressive beam range and brightness.



Image: The Aaoyun AOY-320 Portable Power Station's 360° camping light in use, illustrating its effectiveness in different night settings.

Maintenance

- **Storage:** Store the power station in a cool, dry place away from direct sunlight and extreme temperatures.
- **Charging Frequency:** For optimal battery life, fully charge the power station every 3-6 months, even if not in use.
- **Cleaning:** Use a dry, soft cloth to clean the exterior. Do not use abrasive cleaners or immerse in water.
- **Avoid Overloading:** Do not exceed the rated output power of 300W for AC devices to prevent damage.

Troubleshooting

- **Device Not Charging:**
  - Ensure the power station is turned on and has sufficient charge.
  - Verify the specific output port (AC, DC, USB) is activated by pressing its respective button.
  - Check if the device being charged is compatible with the port's output specifications.
  - Try a different cable or device to rule out faulty accessories.
- **Power Station Not Charging:**
  - Ensure the charging adapter and cable are securely connected.

- Verify the wall outlet is functional.
- If using solar panels, ensure they are correctly connected and receiving adequate sunlight.

- **Overload Protection Activated:**
  - If the power station shuts down due to overload, disconnect the device(s) exceeding the 300W limit.
  - Restart the power station.

Specifications

Feature	Specification
Model Name	AOY-320
Battery Capacity	296Wh (20Ah/14.8V)
AC Output	110V/60Hz, 300W (Pure Sine Wave)
USB-C PD (In/Out)	100W (Max 20V/3.25A)
USB-A QC 3.0 Output	3x 22.5W (5V/2A, 5V/4.5A, 9V/2A, 12V/1.5A)
DC Output	12V/10A
Car Port Output	12V/10A
DC Input (Solar)	Max 20V/3.25A
Charging Time (AC)	Approx. 6.5 hours
Charging Time (USB-C PD)	Approx. 1.3 hours (0-80%)
Item Weight	7.1 Pounds (3.2 kg)
Product Dimensions	12.5"L x 4.1"W x 5.9"H
Special Features	360° Camping Night Lights, Backstrap Design, SOS, LED Flashlight (1500M range)

Warranty and Support

The Aaoyun AOY-320 Portable Power Station comes with a 3-year product care warranty. For any technical support, warranty claims, or inquiries, please contact Aaoyun US customer service. Refer to the contact information provided on the product packaging or the official Aaoyun website.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question