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› SBAOH Portable Power Station P302 User Manual

SBAOH P302

SBAOH Portable Power Station P302 User Manual

Comprehensive instructions for the SBAOH P302 Portable Power Station, covering setup, operation, charging, safety, and specifications.

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your SBAOH P302 Portable Power Station. Please read this manual thoroughly before using the product and retain it for future reference.



Image: The SBAOH P302 Portable Power Station, a compact black and blue unit with multiple power outlets and a handle for portability.

2. PRODUCT OVERVIEW

The SBAOH P302 is a versatile portable power station designed to provide reliable power for various devices, whether at home, outdoors, or during emergencies. It features a 296Wh (14.8V 20Ah) lithium-ion battery pack and multiple output ports.

2.1 Key Features

- **High Capacity:** 296 Watt-hour (14.8V 20Ah) lithium-ion battery.
- **Multiple Output Ports:** 4 AC outlets (110V Rated 300W - Peak 600W), 1 PD 100W USB-C port, 1 QC 3.0 USB-A port, 2 standard USB-A ports, 4 DC ports, and 1 DC car socket.
- **Portable Design:** Lightweight at 6.6 lbs (approx. 3 kg) with a sturdy handle for easy transport.
- **Integrated LED Flashlight:** 18W bright emergency flashlight with 4 lighting modes (weak, medium, strong, SOS).
- **Advanced Safety:** Equipped with a Battery Management System (BMS) for temperature control, overvoltage, overcurrent, and short circuit protection.

Multi-Function Output Ports

13 Ports can charge multiple devices at the same time to meet daily needs.

- 1 Power Switch
- 2 4* DC Output (12V/10A 120W)
- 3 DC Control Switch
- 4 AC Control Switch
- 5 USB QC18W Output
- 6 **Type-C PD100W Output**
- 7 2* USB-A 10W Output
- 8 4* AC Output
- 9 LCD Display
- 10 Car Charger Output (12V/10A 150W)
- 11 LED Light & LED Switch on the Back



Image: Diagram illustrating the various output ports of the SBAOH P302, including AC outlets, USB ports, DC ports, and the power switch.

Compact but powerful

The output power is 300W and the peak power is 600W.



Fan (50W)
≈ 6 hours



Small refrigerator (45W)
≈ 5 hours



Smart phone (11W)
≈ 22 times



Camping lamp (10W)
≈ 24 hours



Computer (49.9W)
≈ 5 times



Camera (100W)
≈ 2 hours



CPAP (15W–40W)
≈ 6–14 hours



UAV (40W)
≈ 6 hours

Image: The SBAOH P302 Portable Power Station shown powering a fan, small refrigerator, smartphone, camping lamp, computer, camera, CPAP machine, and UAV, with estimated run times for each.

3. WHAT'S IN THE BOX

Upon unpacking, please ensure all items are present:

- 1x SBAOH Portable Power Station P302
- 1x AC Adapter & Cable
- 1x Cigarette Lighter Plug Cord
- 1x Car Cigarette Lighter Socket
- 1x User Manual (this document)

4. SETUP

Before first use, it is recommended to fully charge your SBAOH P302 Portable Power Station. Refer to the "Charging the Power Station" section for detailed instructions.

1. Unpack the power station and all accessories.
2. Inspect the unit for any visible damage. If damaged, do not use and contact customer service.
3. Place the power station on a stable, flat surface in a well-ventilated area.

5. CHARGING THE POWER STATION

The SBAOH P302 offers three convenient ways to recharge its internal battery:

5.1 AC Wall Charging

- Connect the provided AC adapter to the power station's input port.
- Plug the AC adapter into a standard wall outlet (110V).
- The LCD display will indicate charging status.
- Charging time: Approximately 7-8 hours.

5.2 Car Charging

- Connect the provided car charger adapter to the power station's input port.
- Plug the car charger into your vehicle's 12V cigarette lighter socket.
- The LCD display will indicate charging status.
- Charging time: Approximately 7-8 hours.

5.3 Solar Panel Charging (Optional)

- Connect a compatible solar panel (not included, 60W recommended) to the power station's DC input port.
- Position the solar panel in direct sunlight for optimal charging.
- The LCD display will indicate charging status.
- Charging time: Approximately 7-8 hours (depending on sunlight intensity and panel wattage).

3 Ways to Charge



Car Charge Adapter About 7–8 Hours



Solar Panel (60W) About 7–8 Hours



Image: Visual representation of the three charging methods for the SBAOH P302: AC wall charging, car charging, and solar panel charging.

6. OPERATING THE POWER STATION

The SBAOH P302 is designed for ease of use. Follow these steps to power your devices:

6.1 Powering On/Off

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

6.2 Using AC Outlets

- Ensure the power station is on.
- Press the AC control switch to activate the AC outlets. The AC indicator on the LCD will light up.

- Plug your AC-powered devices (up to 300W continuous, 600W peak) into the AC outlets.
- After use, press the AC control switch again to turn off the AC outlets to conserve power.

6.3 Using DC Ports (12V/10A 120W) and Car Socket

- Ensure the power station is on.
- Press the DC control switch to activate the DC ports and car socket. The DC indicator on the LCD will light up.
- Plug your 12V DC devices into the appropriate ports.
- After use, press the DC control switch again to turn off the DC ports.

6.4 Using USB Ports

- The USB ports (USB-A, QC 3.0, USB-C PD 100W) are typically active when the power station is on.
- Connect your USB-powered devices directly to the corresponding ports.
- The LCD display will show output wattage for connected devices.



Image: The SBAOH P302 Portable Power Station with labels indicating its 13 output ports, including DC, USB-QC 18W, USB-C PD 100W, USB-A 10W, Car Charger, and AC outputs, shown powering various devices like laptops, phones, and small appliances.

6.5 Using the LED Flashlight

- The LED flashlight is located on the back of the unit.
- Press the dedicated LED switch to cycle through the four lighting modes: Weak, Medium, Strong, and SOS.
- Press again to turn off the flashlight.

Equipped with 18w High-brightness LED light

The back is equipped with a high-brightness 500 lumens LED light. Press the LED switch to switch between the four lighting modes.



Weak

Medium

Strong

SOS



Image: The SBAOH P302 Portable Power Station's integrated LED light shown in its four modes: Weak, Medium, Strong, and SOS, demonstrating its versatility for emergency lighting.

7. SAFETY INFORMATION

Your SBAOH P302 is equipped with an advanced Battery Management System (BMS) to ensure safe operation. Please observe the following safety guidelines:

- Do not disassemble, repair, or modify the unit.
- Keep the unit away from fire, water, and extreme temperatures.
- Do not use or store the unit in direct sunlight or high-temperature environments.
- Ensure proper ventilation during use and charging.
- Avoid dropping or subjecting the unit to strong impacts.
- Keep out of reach of children.
- Do not insert foreign objects into the ports.

- If the unit emits smoke, odor, or unusual noise, stop use immediately and contact customer service.



Image: A close-up illustration of a microchip labeled "BMS," representing the built-in Battery Management System for safety and efficiency.

8. SPECIFICATIONS

Feature	Detail
Model Name	P302
Battery Capacity	296Wh (14.8V 20Ah)
AC Output	4x 110V, 300W Rated (600W Peak) Pure Sine Wave
DC Output	4x DC Ports, 1x Car Socket (12V/10A, 120W total)
USB-C Output	1x PD 100W
USB-A Output	1x QC 3.0, 2x Standard USB-A (10W)
Charging Input	AC Adapter, Car Charger, Solar Panel (60W recommended)
LED Flashlight	18W, 4 Modes (Weak, Medium, Strong, SOS)
Dimensions (LWH)	8.1"L x 5.9"W x 8.1"H (205mm x 150mm x 205mm approx.)
Weight	6.6 lbs (approx. 3 kg)
Special Feature	Low Battery Shutdown

Product size



Size (LWH):	226×171×231mm/8.9x6.7x9in
Weight:	Ca. 4.5kg
Internal Battery: High quality lithium ion battery	

Image: Diagram showing the dimensions of the SBAOH P302 Portable Power Station in both inches and millimeters, along with its weight and internal battery type.

9. MAINTENANCE

To ensure the longevity and optimal performance of your SBAOH P302 Portable Power Station, follow these maintenance guidelines:

- **Storage:** Store the unit in a cool, dry place, away from direct sunlight and corrosive materials.
- **Charging Frequency:** If not used for extended periods, charge the unit every 3-6 months to maintain battery health.
- **Cleaning:** Use a dry, soft cloth to clean the exterior of the unit. Do not use abrasive cleaners or immerse in water.
- **Ventilation:** Ensure the ventilation vents are clear of dust and debris to prevent overheating.

10. TROUBLESHOOTING

If you encounter issues with your power station, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Unit does not turn on	Low battery; Power button not pressed long enough	Charge the unit; Press and hold the power button for 3-5 seconds.
AC outlets not working	AC output not activated; Device exceeds 300W; Overload protection triggered	Press the AC control switch; Check device wattage; Disconnect device and restart AC output.
DC ports not working	DC output not activated; Device exceeds 120W total	Press the DC control switch; Check device wattage.
Unit not charging	Charger not properly connected; Faulty charger/cable; Extreme temperature	Ensure connections are secure; Try a different charger/cable; Move to a suitable charging environment.

If the problem persists after attempting these solutions, please contact customer service.

11. WARRANTY AND SUPPORT

Your SBAOH P302 Portable Power Station comes with a 12-month customer service period from the date of purchase. For any questions, technical support, or warranty claims, please contact SBAOH customer service through the retailer where you purchased the product or visit the official SBAOH website for contact information. Please have your purchase receipt and product model number (P302) ready when contacting support.

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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 conversion attribution. [Privacy details](#).

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

Answered questions about this manual

My SBAOH P302 Portable Power Station is no longer functional after 18 months of use. Why might this have happened, and where can I go for repairs?

There are several reasons why your SBAOH P302 may have stopped functioning after 18 months. Common causes include battery degradation due to deep discharge (if not charged every 3-6 months as recommended), internal component...

[Read full answer](#)