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SBAOH P605

SBAOH Portable Power Station P605 600W User Manual

Model: P605

1. INTRODUCTION

This manual provides essential instructions for the safe and efficient operation, maintenance, and troubleshooting of your SBAOH Portable Power Station P605. Please read this manual thoroughly before using the device and retain it for future reference.

Product Overview

The SBAOH P605 is a portable power station with a 538.7Wh capacity and 600W AC output. It features multiple output ports, including AC, DC, and USB, and supports various charging methods. An integrated LED flashlight and smart LCD display enhance its utility for outdoor activities and emergency backup power.



Image 1.1: Front view of the SBAOH P605 Portable Power Station, showcasing its compact design and various output ports.

2. PACKAGE CONTENTS

Verify that all items listed below are included in your package. If any items are missing or damaged, please contact customer support.

- SBAOH Portable Power Station P605 600W
- AC Charger
- Car Charger
- 12V Cigar Lighter Adapter
- User Guide (this manual)

Packliste



Image 2.1: The SBAOH P605 Power Station with its included accessories: AC charger, car charger, 12V cigar lighter adapter, and user guide.

3. PRODUCT COMPONENTS AND FEATURES

Familiarize yourself with the various parts and functions of your power station.

Multifunctional port

- 1 Power Switch
- 2 DC Control Switch
- 3 LED Light
- 4 PD100W Output
- 5 USB QC18W Output
- 6 USB-A Output
- 7 AC Control Switch
- 8 2* AC Output
- 9 LCD Display
- 10 LED lamp board
- 11 2* DC Output
- 12 Car Charger Output
- 13 IN PUT



Image 3.1: Detailed diagram illustrating the various ports and controls on the SBAOH P605 Power Station.

1. **Power Switch:** Turns the entire unit on/off.
2. **DC Control Switch:** Activates/deactivates DC output ports.
3. **LED Light:** Integrated flashlight.
4. **PD100W Output (USB-C):** Power Delivery 100W output port.
5. **USB QC18W Output:** Quick Charge 18W USB output port.
6. **USB-A Output:** Standard USB-A output port.
7. **AC Control Switch:** Activates/deactivates AC output ports.
8. **AC Output Ports (2x):** Standard AC outlets (110V, 600W total).
9. **LCD Display:** Shows battery level, output status, and other indicators.
10. **LED Lamp Board:** Provides illumination.
11. **DC Output Ports (2x):** Standard DC output ports.
12. **Car Charger Output (12V/10A):** Car cigarette lighter style output.
13. **Input Port:** For charging the power station (AC adapter, car charger, solar panel).

4. SETUP

Initial Charging

Before first use, fully charge the power station. This ensures optimal battery performance and calibration.

1. Connect the provided AC charger to the Input Port (13) on the power station.
2. Plug the AC charger into a standard wall outlet.
3. The LCD display (9) will indicate charging status.
4. Charging typically takes 6-7 hours with the 12V/4A AC adapter.

5. OPERATING INSTRUCTIONS

Charging the Power Station

The SBAOH P605 offers multiple charging options:

- **AC Wall Outlet:** Use the included AC charger.
- **Car Charger:** Connect the included car charger to the Input Port (13) and your vehicle's 12V outlet.
- **Solar Panel:** Connect a compatible solar panel (DC 11V ~ 25V/6A) to the Input Port (13). Solar panels are sold separately.

Using Output Ports

To use any output port, first press the main Power Switch (1) to turn on the unit. Then, activate the specific output section you wish to use.

- **AC Output:** Press the AC Control Switch (7). The LCD display will show the AC output status. Plug your AC devices into the AC Output Ports (8).
- **DC Output:** Press the DC Control Switch (2). The LCD display will show the DC output status. Plug your DC devices into the DC Output Ports (11) or the Car Charger Output (12).
- **USB Output:** USB ports (PD100W, QC18W, USB-A) are typically active once the main power switch is on. Connect your USB devices to the appropriate ports (4, 5, 6).

LED Lighting Modes

The integrated LED light offers four modes for various situations.

Four lighting modes

A variety of modes bring you a good outdoor experience.



Image 5.1: Illustration of the four distinct LED lighting modes available on the SBAOH P605 Power Station.

To cycle through the modes, press the button associated with the LED Light (3) repeatedly:

1. Weak illumination
2. Medium illumination
3. Strong illumination
4. SOS signal (flashing)

6. SAFETY INFORMATION

The SBAOH P605 is designed with multiple safety features. Adhere to the following guidelines for safe operation:

- Do not disassemble, repair, or modify the unit.
- Keep the unit away from fire, water, and extreme temperatures.
- Do not use the unit if it is damaged or appears faulty.
- Ensure proper ventilation during use and charging.
- Keep out of reach of children.

- Dispose of the unit according to local regulations.

Integrated Safety Protections

The power station includes seven safety protections:



**Overcharge
Protection**



**Over-Discharge
protection**



**short circuit
protection**



**Temperature
Protection**



**Overcurrent
Protection**



**Overload
Protection**

Image 6.1: Visual representation of the comprehensive safety protections built into the SBAOH P605 Power Station.

- Overcharge Protection
- Over-Discharge Protection
- Short Circuit Protection
- Temperature Protection
- Overcurrent Protection
- Overload Protection
- Battery Management System (BMS)

7. MAINTENANCE

- Store the power station in a cool, dry place, away from direct sunlight.

- Charge the unit at least once every 3-6 months to maintain battery health, even if not in use.
- Clean the exterior with a soft, dry cloth. Do not use abrasive cleaners or immerse in water.
- Ensure ventilation openings are clear of dust and debris.

8. TROUBLESHOOTING

If you encounter issues with your SBAOH P605, refer to the following common problems and solutions:

- **Unit not turning on:** Ensure the main Power Switch (1) is pressed. Check if the battery is completely depleted and try charging it.
- **No output from ports:** Ensure the specific output control switch (AC or DC) is activated. Check if the device connected requires more power than the port can supply.
- **Charging slow or not at all:** Verify that the charger is correctly connected and functioning. Ensure the input source (wall outlet, car, solar panel) is providing power. For solar charging, ensure direct sunlight and correct panel orientation.
- **Overload indicator on LCD:** Disconnect devices that exceed the power station's output capacity. The unit may automatically shut down to prevent damage.

If problems persist, contact SBAOH customer support.

9. SPECIFICATIONS

Detailed technical specifications for the SBAOH P605 Portable Power Station.

Compact but powerful

The output power is 600W and the peak power is 1200W











 Fan (50W) ≈ 12 hours	 Small refrigerator (45W) ≈ 10 hours	 Smart phone (11W) ≈ 35 times	 Camping lamp (10W) ≈ 40 hours
 Computer (49.9W) ≈ 10 times	 Camera (100W) ≈ 4 hours	 CPAP(15W-40W) ≈ 10-20 hours	 UAV (40W) ≈ 12 hours

Image 9.1: Dimensions and weight of the SBAOH P605 Portable Power Station.

Feature	Specification
Model Name	P605
Battery Capacity	538.7 Watt-hours (Wh)
AC Output	600W (Rated), 1200W (Peak)
DC Output	12V/10A (Car Charger Output), 2x DC Output Ports
USB Output	1x PD100W (USB-C), 1x QC18W (USB), 1x USB-A
Input Charging	12V/4A (AC Adapter), 12V (Car Charger), DC 11V ~ 25V/6A (Solar Panel)
Dimensions (L x W x H)	10.6" x 9.7" x 10.9" (269mm x 246mm x 277mm)
Weight	4.5 kg (10.11 lbs)
Material	Metal (Steel/Aluminum), Plastic/Rubber

Manufacturer	Shenzhen Yushang Electronics Technology Co.,Ltd
UPC	761955450271

10. WARRANTY AND SUPPORT

Warranty Information

The SBAOH P605 Portable Power Station comes with a **1-year warranty** from the date of purchase. This warranty covers manufacturing defects and workmanship under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or natural disasters.

Please retain your proof of purchase for warranty claims.

Customer Support

For technical assistance, warranty claims, or any questions regarding your SBAOH P605, please contact SBAOH customer support through the retailer where the product was purchased or visit the official SBAOH website for contact information.