

bailibatt DW301S

Portable Power Station DW301S User Manual

Model: DW301S | Brand: bailibatt

1. INTRODUCTION

The bailibatt DW301S Portable Power Station is a versatile and reliable power source designed for various applications, including home backup, outdoor adventures, camping, RV trips, and emergency situations. With a 266.4Wh high-capacity lithium battery and a 300W pure sine wave AC output, it provides stable and safe power for your essential devices wherever you need it.

This manual provides detailed instructions on how to set up, operate, maintain, and troubleshoot your DW301S Portable Power Station. Please read it thoroughly before first use to ensure optimal performance and safety.



Figure 1: Front view of the bailibatt DW301S Portable Power Station, showcasing its compact design and accessible ports.

2. PRODUCT OVERVIEW

The DW301S features a robust design with multiple output ports to accommodate a wide range of electronic devices. Its intuitive interface includes an LCD screen for monitoring operational status and various control buttons for ease of use.

2.1 Components and Ports

- **Input Port:** For charging the power station.
- **AC Outlet (x1):** 120V Pure Sine Wave, 300W max total load capacity.
- **USB-C Ports (x2):** One PD24W, one PD18W.
- **QC USB 3.0 Ports (x2):** For fast charging compatible devices.
- **12V Car Port (x1):** Standard car accessory outlet.
- **DC Port (x1):** General DC output.
- **LCD Screen:** Displays battery level, output status, and warnings.

- **LED Flashlight:** Integrated light with multiple modes.

MULTI-PORT POWER STATION

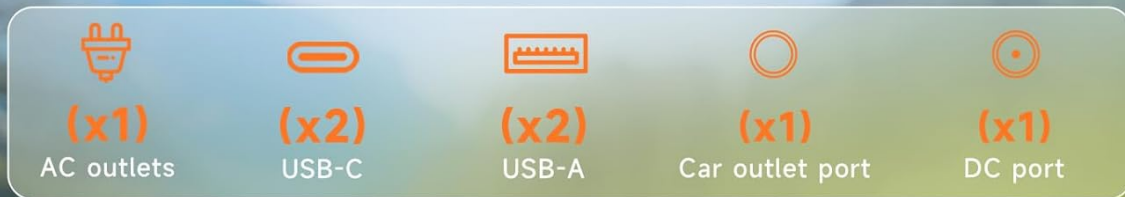


Figure 2: Detailed view of the multi-port power station, highlighting the AC, USB-C, USB-A, Car, and DC output options.

3. SETUP

Before using your bailibatt DW301S Portable Power Station for the first time, it is recommended to fully charge the unit. This ensures the battery is calibrated and ready for optimal performance.

3.1 Initial Charging

1. Connect the provided AC charging adapter to the input port of the power station.
2. Plug the AC adapter into a standard wall outlet.
3. The LCD screen will indicate charging status. Allow the unit to charge until the battery indicator shows full.

Charging time may vary depending on the remaining battery level. A full charge typically takes several hours.

4. OPERATING INSTRUCTIONS

The DW301S is designed for ease of use. Follow these instructions to power your devices and utilize the integrated features.

4.1 Powering Devices

- **USB Ports (USB-A, USB-C):** Short press the corresponding USB power button to turn on the USB output. Connect your devices using appropriate USB cables. Short press again to turn off.
- **DC Port / Car Port:** Short press the DC power button to activate the DC and car port outputs. Connect your 12V devices. Short press again to turn off.
- **AC Outlet:** **Long press** the AC power button for a few seconds to activate the AC outlet. The AC icon will appear on the LCD screen. Plug in your AC-powered devices (ensure total wattage does not exceed 300W). **Long press** again to turn off the AC output.



Figure 3: Button functionalities for activating different output types and the LED flashlight.

VERSATILE POWER SUPPLY

300W max total load capacity



Figure 4: The power station simultaneously charging a variety of electronic devices.

4.2 LED Flashlight Operation

The integrated LED flashlight offers three modes for various lighting needs:

- **Short press** the LED button to cycle through the modes: Bright → Strobe → SOS → Off.

5. MAINTENANCE

Proper maintenance will extend the lifespan and ensure the reliability of your bailbatt DW301S Portable Power Station.

- **Regular Recharging:** For optimal battery health, recharge the power station every 1-2 months, even if not in use. This prevents deep discharge and preserves battery capacity.
- **Storage:** Store the unit in a cool, dry place away from direct sunlight and extreme temperatures.
- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Do not use abrasive cleaners or immerse the unit in water.

- **Ventilation:** Ensure the ventilation openings are not blocked during use to allow for proper cooling.

6. TROUBLESHOOTING

If you encounter issues with your DW301S, refer to the following common problems and solutions:

- **Unit Not Turning On:** Ensure the battery is charged. If the unit has been stored for a long time, it may require a full charge before it can be powered on.
- **AC Outlet Not Working:** Remember that the AC outlet requires **along press** of its dedicated button to activate. A short press will not turn it on. Check the LCD screen for the AC icon to confirm activation.
- **Devices Not Charging:** Verify that the specific output port (USB, DC, AC) is activated. Check the cables and ensure your device's power requirements do not exceed the power station's output limits (e.g., 300W for AC).
- **Overload Protection:** The unit features overload protection. If an overload occurs, the unit may shut down. Disconnect the overloaded device, wait a few moments, and then restart the power station.
- **Slow Charging of Power Station:** Ensure you are using the original AC charging adapter. Charging time can be affected by ambient temperature.

If problems persist, please contact customer support.

7. SPECIFICATIONS

Detailed technical specifications for the bailibatt DW301S Portable Power Station:

Feature	Detail
Model Name	DW301S
Battery Capacity	266.4Wh / 72,000mAh
AC Output	120V Pure Sine Wave, 300W (Max)
USB-C Output	1x PD24W, 1x PD18W
USB-A Output	2x QC USB 3.0
DC Output	1x 12V Car Port, 1x DC Port
Item Weight	5.9 Pounds
Product Dimensions	5.1"L x 7.9"W x 8.7"H
Material	ABS
Special Features	Automatic Shut Down, Digital Display, Overload Protection, Portable, Short Circuit Protection
Battery Type	Lithium Ion

HIGH-CAPACITY POWER SUPPORT

2,000mAh lithium battery (266.4Wh rated capacity)



Figure 5: Estimated device runtimes based on the power station's capacity.

8. WARRANTY AND SUPPORT

Your bailibatt DW301S Portable Power Station comes with a manufacturer's warranty and dedicated customer support.

- **Warranty:** The product includes a 1-year manufacturer's warranty. Please refer to the warranty card included in your package for full details and terms.
- **Customer Support:** For any questions, technical assistance, or warranty claims, please contact bailibatt customer support. 24/7 friendly customer support is available to assist you.

