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Dabbsson DBS1300

Dabbsson DBS1300 Portable Power Station User Manual

Model: DBS1300 | Brand: Dabbsson

1. PRODUCT OVERVIEW

The Dabbsson DBS1300 is a versatile 1330Wh portable power station designed to provide reliable power for various applications, including camping, home backup, emergencies, and RV use. It features advanced EV Semi-Solid State LiFePO4 battery technology, ensuring safety, efficiency, and a long lifespan. With multiple output ports and fast charging capabilities, the DBS1300 is an ideal solution for your portable power needs.



Figure 1.1: Front view of the Dabbsson DBS1300 Portable Power Station, showcasing its display and various ports.

2. WHAT'S INCLUDED

Upon unboxing your Dabbsson DBS1300, please verify that all the following components are present:

- Dabbsson DBS1300 Portable Power Station x1
- AC Charging Cable x1
- Solar Charging Cable x1
- Car Charging Cable x1
- User Manual x1 (This document)
- Warranty Card x1

3. SETUP GUIDE

3.1 Initial Charge

Before first use, it is recommended to fully charge your Dabbsson DBS1300. This optimizes battery performance and ensures it's ready for immediate use.

1. Connect the provided AC charging cable to the AC input port on the power station.

2. Plug the other end of the AC charging cable into a standard wall outlet (100-240V AC).
3. The display will indicate the charging status. The unit charges from 0-80% in approximately 44 minutes using AC input. A full charge takes about 96 minutes with combined AC+PV input (1400W Max).

Faster beyond Imagination



AC

(1000W)

0% - 80% in

44 mins *



AC + PV

(1400W)

0% - 100% in

96 mins *



*Charging data is based on using 1000W AC input & 400W solar panels.

Figure 3.1: Illustration of the fast charging capabilities of the DBS1300, showing AC and AC+PV charging times.

3.2 Solar Charging (Optional)

For off-grid charging, connect compatible solar panels (sold separately) using the provided solar charging cable. The DBS1300 features smart MPPT technology to ensure optimal solar power intake.

1. Connect the solar charging cable to the solar input port on the power station.

2. Connect the other end of the solar charging cable to your solar panels.
3. Position the solar panels in direct sunlight for maximum efficiency.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

To power on the unit, press and hold the main power button until the display illuminates. To power off, press and hold the main power button again until the display turns off.

4.2 Connecting Devices

The DBS1300 offers 12 output ports to power a wide range of devices:

- **AC Outlets:** 4 x 1200W Pure Sine Wave AC outlets (up to 1600W in P-Boost Mode). Ideal for appliances like refrigerators, CPAP machines, and power tools.
- **USB-C Ports:** 3 x USB-C charging ports with a maximum output of 100W. Suitable for laptops, tablets, and smartphones.
- **USB-A Ports:** Multiple USB-A ports for charging smaller electronic devices.
- **DC/Car Port:** 12V output for car-powered devices.

Simply plug your device into the appropriate port and activate the corresponding output section (AC, DC, USB) using the buttons on the control panel.

For Home Work and More

From a small light bulb to professional power tools

1200w

Power Output

1600w

P-Boost

13

Ports



Figure 4.1: The DBS1300 providing power to various devices, highlighting its 1200W power output, 1600W P-Boost, and 13 ports.

4.3 Expandable Capacity

The DBS1300's capacity can be expanded for extended power needs:

- Add two DBS1700B extra batteries to reach up to 4730Wh.
- For even greater capacity, two DBS1300 units can be connected in parallel with four DBS1700B batteries, expanding the total capacity to 9460Wh.

Multiply Your Power

Expand your battery
to enjoy uninterrupted power supply



Figure 4.2: Visual representation of the DBS1300's expandable battery system, showing various configurations and their total energy capacities.

4.4 Smart App Control

Manage your power station remotely with the user-friendly Dabbsson app. The app allows you to:

- Monitor AC/DC input and output in real-time.
- Check remaining battery life.
- Adjust power settings.
- Switch between ECO mode or Standby mode.
- Utilize timer management for planned power usage.

All Activities at Your Fingertips



Figure 4.3: A smartphone displaying the Dabbsson app interface, demonstrating real-time monitoring and control features.

4.5 Emergency Power Supply (EPS) Mode

The DBS1300 features an EPS mode designed to provide uninterrupted power supply during outages. With a 15ms switch time, it ensures essential devices like CPAP machines remain operational.

5. MAINTENANCE AND CARE

Proper maintenance ensures the longevity and optimal performance of your Dabbsson DBS1300.

- **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 50-80% every 3-6 months.

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Do not use harsh chemicals or abrasive materials. Ensure all ports are free from dust and debris.
- **Battery Life:** The EV Semi-Solid State LiFePO₄ battery is designed to retain 80% capacity after 4,500+ charge cycles, offering a lifespan of over 15 years. Regular use within recommended parameters will help maintain battery health.

A New Class of Power



**EV Semi-Solid
LiFePO₄**



**4500+
charge cycles**



**Compliance with
UL1642**



**8-Layer
Adaptive BMS**

Figure 5.1: Internal view highlighting the EV Semi-Solid State LiFePO₄ battery and its features, including 4500+ charge cycles and 8-Layer Adaptive BMS.

6. SAFETY INFORMATION

The Dabbsson DBS1300 is built with multiple safety features to ensure reliable and secure operation:

- **Overload Protection:** Automatically shuts down if connected devices exceed the maximum output.
- **Temperature Control:** Integrated cooling system and 8-Layer Adaptive BMS prevent overheating.
- **Fireproof Rating:** Features a UL94 V0 outer shell for enhanced fire safety.
- **Certifications:** Complies with FCC/CE EMC Class B standards, ensuring home-safe operation.
- **Nail Penetration Testing:** Designed to prevent fire or burst even under extreme physical stress.

Always operate the unit in a well-ventilated area and avoid blocking the ventilation openings. Do not disassemble or attempt to repair the unit yourself.

Tested It Nailed It



FCC/CE EMC Class B

Home-safe standard

UL94 V0 Rating

Non-flammable

Nail Penetration Testing

Does not catch fire or burst

Figure 6.1: The DBS1300 undergoing rigorous safety tests, including FCC/CE EMC Class B, UL94 V0 Rating, and Nail Penetration Testing.

7. TROUBLESHOOTING

If you encounter issues with your Dabbsson DBS1300, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Unit not turning on	Low battery; Power button not held long enough.	Charge the unit; Press and hold the power button for 3-5 seconds.
AC output not working	AC output not enabled; Overload protection activated.	Press the AC output button; Reduce load, then restart AC output.
Slow charging via solar	Insufficient sunlight; Panels not optimally angled; Dirty panels.	Relocate panels to direct sunlight; Adjust panel angle; Clean panels.
App connectivity issues	Bluetooth/Wi-Fi off; App outdated; Unit too far from device.	Ensure Bluetooth/Wi-Fi is on; Update app; Move closer to unit.

For persistent issues, please contact Dabbsson customer support.

8. SPECIFICATIONS

Feature	Detail
Model Name	DBS1300
Battery Type	EV Semi-Solid State LiFePO4
Capacity	1330Wh
AC Output	4 x 1200W (1600W P-Boost) Pure Sine Wave
USB-C Output	3 x 100W Max
Total Power Outlets	12 ports
AC Charging (0-80%)	44 minutes
AC+PV Charging (0-100%)	96 minutes (1400W Max input)
Lifespan	4,500+ charge cycles (to 80% capacity), 15+ years
Weight	16.32 kg (35.9 lbs)
Dimensions (L x W x H)	14.3" x 10.8" x 8.7"
Safety Features	Overload Protection, UL94 V0, FCC/CE EMC Class B, 8-Layer Adaptive BMS

9. OFFICIAL PRODUCT VIDEO

Your browser does not support the video tag.

Video 9.1: "Dabbsson Portable Power Station Power up Emergency Moments" - This video demonstrates the Dabbsson Portable Power Station in various scenarios, highlighting its use for emergency power and off-grid applications. It showcases the unit's ability to power essential devices and its robust design.

10. WARRANTY AND SUPPORT

Dabbsson stands behind the quality of its products. The DBS1300 Portable Power Station comes with a comprehensive warranty and dedicated customer support.

- **Warranty:** Enjoy a 3+2 years warranty, providing extended peace of mind.
- **Customer Service:** Benefit from rapid local customer service for any inquiries or issues.
- **Technical Support:** Lifetime technical support is available to assist you with the operation and maintenance of your Dabbsson DBS1300.

For further assistance, please refer to the contact information provided on your warranty card or visit the official Dabbsson website.

You can also find additional resources and information on the [Dabbsson Brand Store](#).

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

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