

Manuals.plus /
› Dabbsson /
› Dabbsson Portable Power Station DBS2300 User Manual

Dabbsson DBS2300

Dabbsson Portable Power Station DBS2300 User Manual

Model: DBS2300

1. INTRODUCTION

Thank you for choosing the Dabbsson Portable Power Station DBS2300. This manual provides essential information for the safe and efficient use of your power station. Please read this manual thoroughly before operating the device and retain it for future reference.



Image 1.1: Overview of the Dabbsson Portable Power Station DBS2300. This image displays the front and side panels of the power station, highlighting its various ports and digital display.

2. SAFETY INSTRUCTIONS

To ensure safe operation, always adhere to the following guidelines:

- Do not disassemble, repair, or modify the unit.
- Avoid exposure to high temperatures, direct sunlight, or flammable materials.
- Keep the device away from water and other liquids.
- Use only approved accessories and charging cables.
- Ensure proper ventilation during use and charging.
- Keep out of reach of children and pets.
- In case of fire, use a dry powder fire extinguisher. Water may cause electric shock.



Image 2.1: Diagram illustrating the Battery Management System (BMS) protection features of the DBS2300, including safeguards against overvoltage, overcurrent, overdischarge, overload, temperature extremes, and short circuits.



Image 2.2: Comparison chart highlighting the enhanced safety of Semi-solid LiFePO4 batteries used in the DBS2300, showing superior performance in puncture tests and thermal stability compared to other battery types.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- Dabbsson DBS2300 Portable Power Station
- 1x 1800W AC Charging Cable
- 1x Solar Charging Cable
- 1x Car Charging Cable
- User Manual (this document)
- Warranty Card/Warning Card



Image 3.1: Visual representation of the Dabbsson DBS2300 and its included accessories: AC charging cable, car charging cable, solar charging cable, and user manual.

4. SETUP

4.1 Initial Charging

Before first use, fully charge the DBS2300. This optimizes battery performance and ensures readiness.

1. Connect the AC charging cable to the power station's AC input port.
2. Plug the other end into a standard wall outlet.
3. The display will indicate charging status. Charge until the battery indicator shows 100%.

4.2 Dabbsson App Connection

For enhanced control and monitoring, download and connect to the Dabbsson app.

1. Download the Dabbsson app from your device's app store.
2. Enable Bluetooth and Wi-Fi on your mobile device.
3. Open the app and follow the on-screen instructions to pair with your DBS2300.
4. The app allows you to monitor power status, adjust charging settings, and receive low-battery alerts.

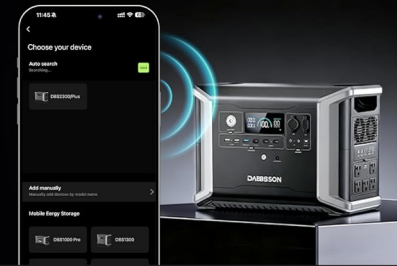
ADAPTS TO YOUR WORLD, POWERS YOUR JOURNEY

Set It & Forget It | Smart Savings | Seamless Control

Get LowPower Alerts



Connect via Bluetooth or Wi-Fi



Check PowerStatus Anywhere



Image 4.1: A user interacting with the Dabbsson mobile application, demonstrating its interface for monitoring and controlling the power station via Bluetooth or Wi-Fi.

5. OPERATING THE POWER STATION

5.1 Powering On/Off

- To power on: Press and hold the main power button until the display illuminates.
- To power off: Press and hold the main power button until the display turns off.

5.2 Connecting Devices

The DBS2300 offers various output ports to power a wide range of devices:



Image 5.1: The Dabbsson DBS2300 in a kitchen setting, connected to various appliances, illustrating the multiple output ports available for use.

- **AC Outlets:** The DBS2300 features 5 AC outlets (2200W continuous, 3000W with P-Boost). Press the AC power button to activate.
- **USB-C Ports:** Includes one 100W max and two 30W max USB-C ports. Press the USB power button to activate.
- **USB-A Ports:** Includes one 18W max and two 12W max USB-A ports. Press the USB power button to activate.
- **Car Outlet (12.6V/10A):** Press the DC power button to activate.
- **DC5521 Ports (12.6V/4A, 50W):** Press the DC power button to activate.
- **Anderson Port (12.6V/30A):** Press the DC power button to activate.

5.3 Charging the Power Station

The DBS2300 supports multiple charging methods:



Image 5.2: The Dabbsson DBS2300 being charged by solar panels next to an RV, illustrating its versatile charging capabilities including AC, solar, and car charging.

- **AC Charging:** Connect the AC charging cable to a wall outlet. Max input is 1800W, allowing a 0-98% charge in approximately 1.5 hours. Charging wattage can be adjusted via the app (200-1800W).
- **Solar Charging:** Connect compatible solar panels (up to 3000W Max) using the solar charging cable. The unit can be fully charged in about 2.5 hours with optimal solar input.
- **Car Charging:** Use the car charging cable to charge from a 12V/24V car outlet.
- **Generator Charging:** An extra adapter may be required for generator charging.

5.4 Emergency Power Supply (EPS) Function

The DBS2300 can function as an Emergency Power Supply (EPS) with a switchover speed of less than 15ms. This allows connected appliances to continue running during power outages with minimal interruption.



Image 5.3: The Dabbsson DBS2300 connected to a computer setup, illustrating its role as an emergency power supply with a rapid switch-over time of less than 15 milliseconds.

5.5 Usage Scenarios

The DBS2300 is designed for various applications, including home backup, outdoor activities, and emergency situations.



Image 5.4: The Dabbsson DBS2300 in a camping environment, powering a laptop, demonstrating its utility for outdoor adventures.



Image 5.5: Examples of devices powered by DBS2300 in outdoor settings, including laptops (35 times), car refrigerators (42 hours), LED camping lights (198 hours), projectors (2.4 hours), small rice cookers (7 hours), and electric fans (1.3 hours).



Image 5.6: Examples of devices powered by DBS2300 for home use, including household fans (33 hours), LED desk lamps (132 hours), electric kettles (2 hours), desktop computers (13 hours), home routers (132 hours), and fish tank oxygen pumps (190 hours).



Image 5.7: Examples of kitchen appliances powered by DBS2300, including induction cookers (2 hours), electric grill pans (2 hours), electric coffee machines (2.5 hours), and air fryers (1.3 hours).



Image 5.8: Examples of power tools powered by DBS2300, including angle grinders (2 hours), electric drills (3.3 hours), portable car washers (2.5 hours), and industrial hair dryers (1.1 hours).

6. MAINTENANCE

6.1 Battery Care

The DBS2300 uses EV Semi-solid State LiFePO4 batteries, known for their longevity and safety. To maximize battery lifespan:

- Avoid fully discharging the battery frequently.
- Store the unit in a cool, dry place, ideally between 0°C and 40°C (32°F and 104°F).
- If storing for extended periods, charge the unit to approximately 50-80% every 3-6 months.
- The battery is rated for over 4500 charge cycles before reaching 80% capacity, equivalent to approximately 15 years of regular use.



Image 6.1: An internal view of the Dabbsson DBS2300, highlighting its EV Semi-solid State LiFePO4 battery technology and its long lifespan of 15 years and over 4500 charge cycles.

6.2 Cleaning

- Use a dry, soft cloth to clean the exterior of the power station.
- Do not use abrasive cleaners or solvents.
- Ensure all ports are free from dust and debris.

7. TROUBLESHOOTING

If you encounter issues with your DBS2300, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Device not turning on	Battery is depleted; Power button not pressed correctly.	Charge the unit; Press and hold the power button for 3 seconds.
AC outlets not providing power	AC output not activated; Overload protection triggered.	Press the AC power button; Reduce connected load, then restart AC output.
Unit not charging via solar	Insufficient sunlight; Solar panels incorrectly connected; Battery already at 100%.	Ensure direct sunlight and correct connection; Note that PV input may be limited at 100% charge. Disconnect AC power briefly to re-enable PV input if needed.

Problem	Possible Cause	Solution
App connectivity issues	Bluetooth/Wi-Fi off; App not updated; Firmware outdated.	Ensure Bluetooth/Wi-Fi is active; Update the Dabbsson app; Check for firmware updates via the app.
Unusual noise or smell	Internal fault.	Immediately power off the unit and contact customer support. Do not attempt to repair.

8. SPECIFICATIONS

Feature	Detail
Model Name	DBS2300
Battery Type	EV Semi-solid State LiFePO4
Capacity	2330 Wh
AC Output	5 x 2200W (3000W with P-Boost) Pure Sine Wave
USB-C Output	1 x 100W Max, 2 x 30W Max
USB-A Output	1 x 18W Max, 2 x 12W Max
Car Outlet	1 x 12.6V/10A
DC5521 Output	2 x 12.6V/4A (50W)
Anderson Port	1 x 12.6V/30A
AC Input	1800W Max (Adjustable via App)
Solar Input	3000W Max
Car Charging Input	12V/24V
Lifespan	4500+ Cycles to 80% capacity (approx. 15 years)
Switchover Time (EPS)	<15ms
Dimensions (L x W x H)	17" x 10" x 12"
Weight	24 kg (52.8 lbs)
Noise Level	<40 dB
Safety Certifications	UL94 V0 Fireproof Outer Shell, BMS Protection



Image 8.1: The Dabbsson DBS2300 shown with its dimensions (17"L x 10"W x 12"H) in an outdoor setting, emphasizing its portable design.

9. WARRANTY AND SUPPORT

9.1 Warranty Information

The Dabbsson DBS2300 Portable Power Station comes with a **3-year standard warranty**, extendable by an additional **2 years** upon product registration, totaling a **5-year warranty**. Please refer to the included Warranty Card for detailed terms and conditions.

9.2 Customer Support

For technical assistance, troubleshooting, or warranty claims, please contact Dabbsson customer service. Our team is available to provide friendly and local support.

- Refer to the contact information provided on your Warranty Card or the official Dabbsson website.
- Ensure you have your product model (DBS2300) and purchase details ready when contacting support.

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

Open the live page

<https://manuals.plus/asin/B0BQWCDSBM>

More documents and user manuals: **<https://manuals.plus/>**