

Dabbsson 2000L

DABBSSON 2000L Solar Generator with 420W Solar Panel User Manual

Brand: Dabbsson | Model: 2000L

1. PRODUCT OVERVIEW

The DABBSSON 2000L Solar Generator is a compact and lightweight portable power station designed for various applications, including camping, home backup, and RV trips. It features a 2048Wh semi-solid LiFePO4 battery, providing stable power with extended runtime and a long lifespan. With multiple output ports and ultra-fast charging capabilities, it offers a versatile and reliable energy solution.

Key Features:

- **Ultra-Compact & Lightweight:** Weighing just 41 lbs with dimensions of 11.2 × 18.3 × 8.9 inches, designed for portability with a built-in handle and UL94-V0 fire-resistant design. Includes a built-in LED light for emergencies.
- **Extended Runtime:** Powered by semi-solid LiFePO4 cells and an AI-driven BMS, offering 2048Wh capacity with 4000+ charge cycles and 10+ years of performance. Features 56+ protection layers and thermal control for safety and durability.
- **Massive Output for 12 Devices:** Provides 2200W rated output and P-Boost up to 3300W. Includes 6 AC outlets, 2 USB-C (100W & 30W), 2 USB-A, 1 Car Port, and 1 DC5521 for simultaneous power delivery with intelligent current management.
- **Ultra-Fast Charging:** Recharges to 80% in 1.5 hours with 1500W AC input, or up to 800W solar input (MPPT supported). Supports car charging and dual AC+solar input options.
- **Smart App Control:** Monitor power status, adjust AC charging speed, schedule off-peak charging, and more via the Dabbsson App (Wi-Fi/Bluetooth). Features ultra-quiet operation modes and seamless backup with <15ms EPS switching.

2. WHAT'S INCLUDED

The DABBSSON 2000L Solar Generator package includes the following components:

- 1 × Dabbsson 2000L Portable Power Station
- 1 × AC Charging Cable

- 1 × 420W Solar Panel
- 1 × Car Charging Cable
- 1 × User Manual



Image: The DABBSSON 2000L Portable Power Station shown alongside its accompanying 420W Solar Panel.



Image: Visual representation of the items included in the product package: the Dabbsson 2000L power station, AC charging cable, 420W solar panel, car charging cable, and user manual.

3. PRODUCT DIAGRAM

Familiarize yourself with the various components and ports of the DABBSSON 2000L Solar Generator:



Image: Front panel diagram of the DABBSSON 2000L, highlighting USB-C (100W & 30W), USB-A, AC outlets, DC power button, LCD screen, LED light, and AC/DC on/off buttons.



Image: Rear panel diagram of the DABBSSON 2000L, indicating the AC charging input port and the solar/car charging input port.

4. SETUP

4.1 Unboxing and Initial Inspection

Upon receiving your DABBSSON 2000L Solar Generator, carefully unbox the unit and inspect all components for any signs of damage. Ensure all listed items in the "What's Included" section are present.

4.2 Initial Charging

Before first use, it is recommended to fully charge your DABBSSON 2000L. You can charge the unit using the provided AC charging cable by plugging it into a standard wall outlet. The LCD screen will display the charging status.

Multiple Charging Options



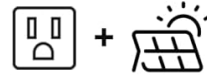
AC Socket



Solar Panel



Car Port



Dual Charging



Image: The DABBSSON 2000L power station demonstrating multiple charging options, including AC wall charging and solar panel charging.

5. OPERATING INSTRUCTIONS

5.1 Powering On/Off

To power on the DABBSSON 2000L, press and hold the main power button located on the front panel. The LCD screen will illuminate. To power off, press and hold the main power button again.

5.2 Understanding the LCD Display

The LCD display provides real-time information about the generator's status, including input/output wattage, battery percentage, and estimated runtime. It also indicates active ports and connectivity status (Wi-Fi/Bluetooth).

5.3 Using Output Ports

The DABBSSON 2000L offers a variety of output ports to power your devices:

- **AC Outlets (x6):** Provide 2200W rated output, with P-Boost up to 3300W for high-wattage appliances.
- **USB-C Ports (x2):** One 100W and one 30W port for fast charging compatible devices.
- **USB-A Ports (x2):** Standard USB ports for charging various electronics.
- **Car Port (x1):** 12V output for car appliances.
- **DC5521 Port (x1):** For specific DC-powered devices.

13-PORT FAST CHARGING

Meets all your needs!



					
6 x AC (Rated 2200W, 3300W Max. with Power Boost)	1 x USB-C (100W)	1 x USB-C (30W)	2 x USB-A (15W)	1 x Car Charger (126W)	1 x DC5521 (50.4W)

***Power boost up to 3300W, supporting select high-power appliances up to 3300W under specific conditions.**

Image: Close-up of the DABBSSON 2000L's front panel, detailing the 13 available output ports for various devices.

5.4 Smart App Control

Download the Dabbsson App to control and monitor your power station remotely via Wi-Fi or Bluetooth. The app allows you to:

- Monitor battery status and real-time input/output.
- Adjust AC charging speed.
- Schedule off-peak charging to optimize energy costs.
- Manage discharge and charge limits for battery longevity.

Smart App Control

Control your power anytime with the Dabbsson App via Wi-Fi or Bluetooth. Set off-peak charging to save up to 46%. Explore more smart features in the app.

Monitor Battery Status



Schedule Off-Peak Charging



Manage Energy Usage

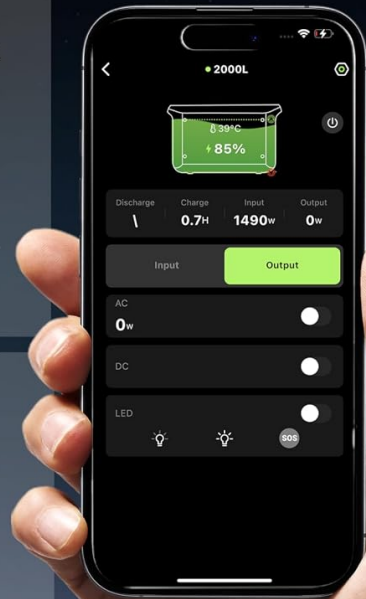


Image: Screenshot of the DABBSSON mobile application interface, demonstrating features like battery monitoring, scheduled charging, and energy management settings.

6. MAINTENANCE

6.1 Battery Care

The DABBSSON 2000L utilizes semi-solid LiFePO4 cells with an AI-driven Battery Management System (BMS) for enhanced safety and longevity. To maximize battery lifespan:

- Avoid prolonged storage at 0% or 100% charge.
- Store in a cool, dry place away from direct sunlight and extreme temperatures.
- Recharge the unit at least once every 3-6 months if not in regular use.

Double Safety Upgrade

AI-Driven BMS Protection & Upgraded Semi-solid LiFePO4 Cell

10 Years
Lifespan

4000+
Charge Cycles

5 Years
Coverage

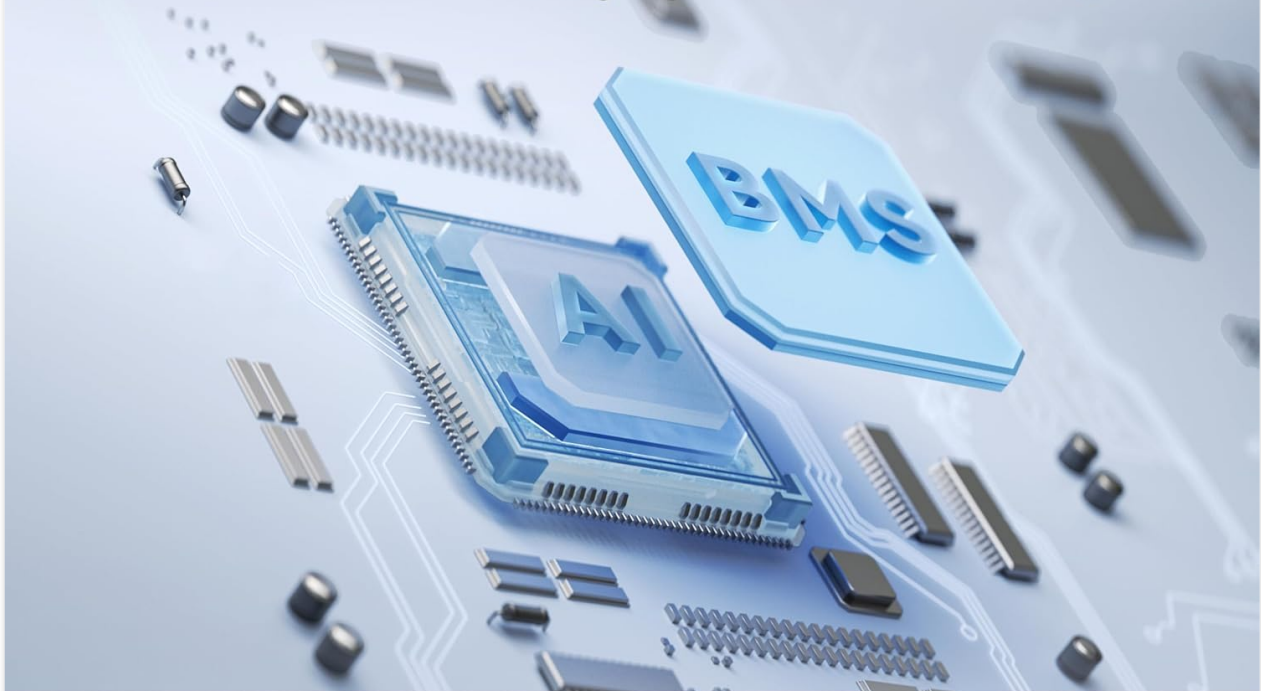


Image: Diagram illustrating the advanced safety features, including the AI-Driven BMS and upgraded semi-solid LiFePO4 cells, contributing to a 10-year lifespan and 4000+ charge cycles.

6.2 Cleaning and Storage

Clean the exterior of the unit with a soft, dry cloth. Do not use abrasive cleaners or solvents. When storing for extended periods, ensure the unit is charged to approximately 50-80% and stored in a temperature-controlled environment.

7. TROUBLESHOOTING

If you encounter any issues with your DABBSSON 2000L Solar Generator, please refer to the following common troubleshooting tips. For detailed solutions and error code explanations, consult the full user manual.

7.1 Unit Not Powering On

- Ensure the battery has sufficient charge.
- Press and hold the main power button for at least 3 seconds.

7.2 No Output from Ports

- Verify that the specific output (AC/DC/USB) is enabled on the unit or via the app.
- Check if the connected device's power consumption exceeds the port's or unit's maximum output.
- Ensure cables are securely connected.

7.3 Charging Issues

- Confirm the charging cable is properly connected to both the unit and the power source.
- For solar charging, ensure panels are correctly positioned and receiving adequate sunlight.
- Check for any error codes displayed on the LCD screen (e.g., E02, indicating a charging fault).

8. SPECIFICATIONS

Brand	Dabbsson
Model Name	2000L
Battery Type	Semi-Solid LiFePO4
Capacity	2048Wh
AC Output (Rated)	2200W
AC Output (P-Boost)	Up to 3300W
AC Input (Max)	1500W (Recharge 80% in 1.5 Hr)
Solar Input (Max)	800W (MPPT supported)
USB-C Output	100W & 30W
Item Weight	41 lbs (23.4 Pounds)
Product Dimensions	11.2"L x 18.3"W x 8.9"H
Lifespan	4000+ Charge Cycles (retains 80% battery health)
Special Features	Digital Display, Lightweight, Overload Protection, Short Circuit Protection, AI-Driven BMS, Built-in LED Light, Smart App Control (Wi-Fi/Bluetooth), EPS Switching (<15ms)

9. WARRANTY AND SUPPORT

9.1 Product Warranty

The DABBSSON 2000L Portable Power Station is backed by an industry-leading 5-year warranty, which includes a 3-year standard warranty plus a 2-year extended warranty. Please retain your proof of purchase for warranty claims.

9.2 Customer Support

For any questions, technical assistance, or warranty inquiries, our dedicated customer service team is available to help. Please refer to the contact information provided in your physical user manual or visit the official Dabbsson website for support options.

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

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