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› Dabbsson Solar Generator DBS-3500 User Manual

Dabbsson DBS3500

Dabbsson Solar Generator DBS-3500 User Manual

Model: DBS3500

1. INTRODUCTION

The Dabbsson Solar Generator DBS-3500 is a high-capacity portable power station designed to provide reliable energy for various applications, including home backup, outdoor adventures, and off-grid living. This system includes one DBS-3500 Portable Power Station and two 420W solar panels, offering a robust and expandable power solution.

Key features include a 3600W AC output, 3430Wh capacity, and advanced LiFePO4 battery technology for enhanced safety and longevity. The system supports parallel connection for increased power output and capacity, and offers multiple recharging methods for flexibility.



Image: The Dabbsson Solar Generator DBS-3500 portable power station shown with two accompanying solar panels.

2. PACKAGE CONTENTS

Verify that all items are present in your package:

- Dabbsson DBS3500 Portable Power Station (x1)
- AC Charging Cable (x1)
- Solar Charging Cable (x1)
- Car Charging Cable (x1)
- User Manual (x1)
- 420W Solar Panel (x2)

3. SETUP

3.1 Initial Charging

Before first use, fully charge the DBS-3500 power station. Connect the AC charging cable to a standard wall outlet and to the AC input port on the power station. The display will indicate charging status. A full AC wall charge takes approximately 2.2 hours.

3.2 Connecting Solar Panels

To charge using solar power, unfold the 420W solar panels and position them to maximize sun exposure. Connect the solar charging cable from the solar panels to the solar input port on the DBS-3500. The power station supports up to 2400W solar input, allowing a full charge in approximately 2 hours under optimal conditions.

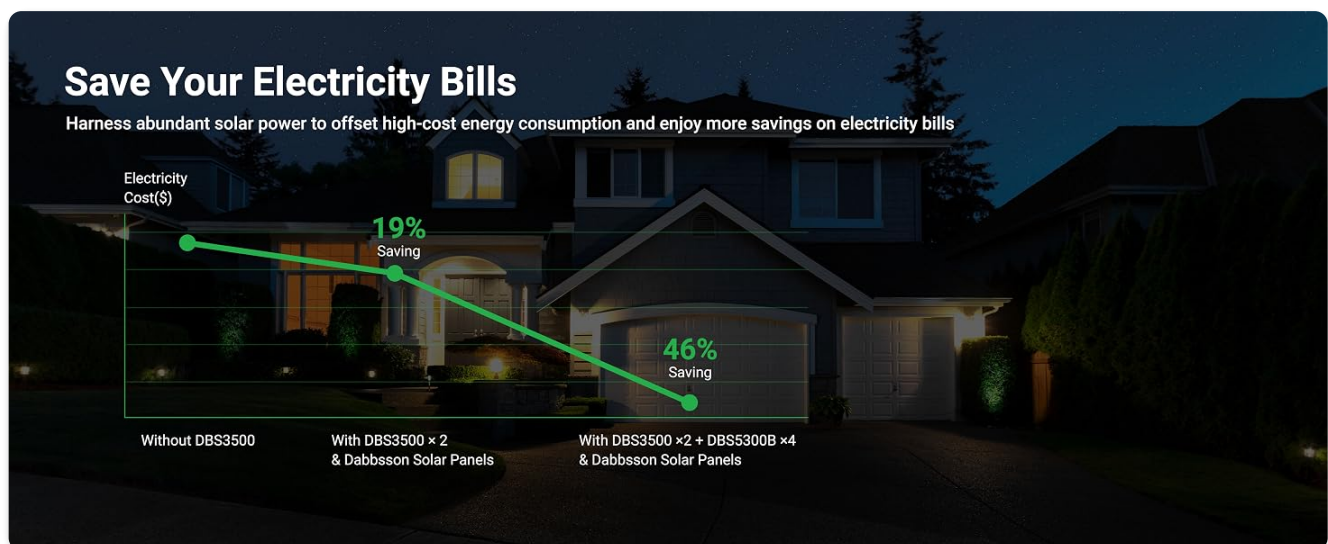


Image: The DBS-3500 power station being charged simultaneously by AC wall power and solar panels outside a residential home.

3.3 Parallel Connection (Optional)

For increased power output and capacity, two DBS-3500 units can be connected in parallel using a dedicated parallel connector (sold separately). This configuration can achieve up to 7000W output and expand capacity up to 28,140Wh with additional DBS5300B battery packs.

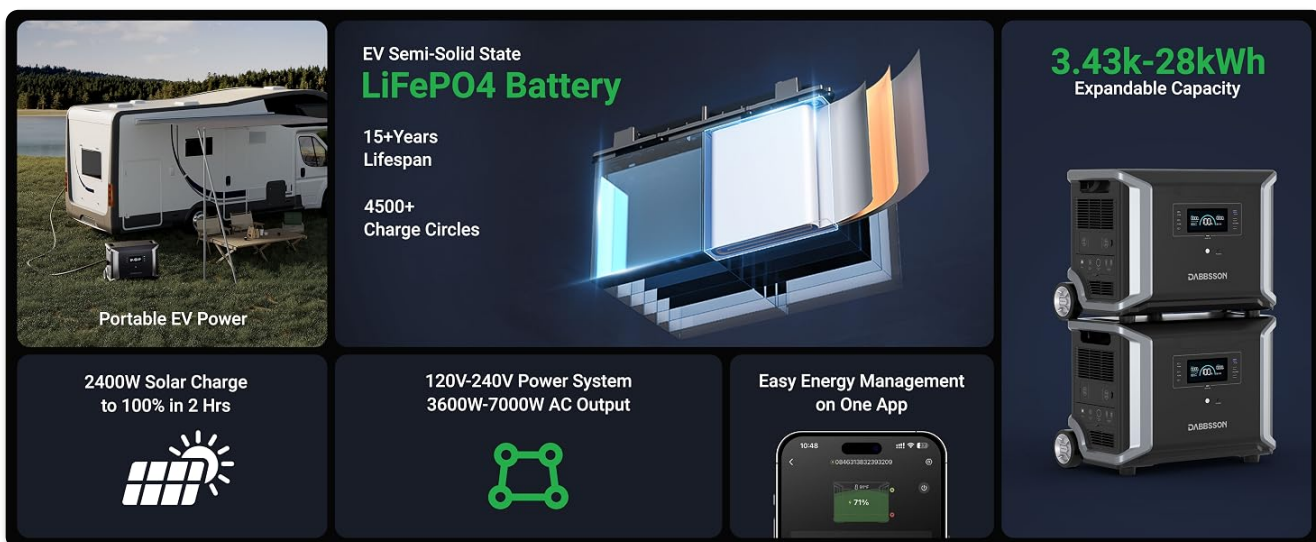


Image: An illustration demonstrating the expandable power system, showing two DBS3500 units stacked and powering a well pump, highlighting 120-240V capabilities.

3.4 App Installation

Download the Dabbsson app from the App Store or Google Play for smart control and monitoring. The app allows for energy allocation, status monitoring, output/input customization, power control, and timer management.



Image: A smartphone screen showing the Dabbsson app interface, positioned next to the DBS-3500 power station in a modern kitchen, illustrating remote control capabilities.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

Press and hold the main power button to turn the unit on or off. The LCD display will illuminate, showing battery status, input/output wattage, and other relevant information.

4.2 Connecting Devices

The DBS-3500 features various output ports, including AC outlets, USB-A, and USB-C ports. Connect your appliances and devices to the appropriate ports. Ensure the total wattage of connected devices does not exceed the unit's 3600W output capacity.

4.3 Recharging Methods

The DBS-3500 supports multiple recharging options:

- **AC Wall Charging:** Approximately 2.2 hours (1800W).
- **Solar Charging:** Approximately 2 hours (2400W input).
- **AC + Solar Combined Charging:** Approximately 1.5 hours (3400W).
- **Car Charging:** Connect via the car charging cable.
- **Generator Charging:** Connect to a compatible power generator.



Image: The DBS-3500 power station illustrating its quick charging capabilities through AC wall outlets, solar panels, and a combined AC and solar input.

4.4 Portability

The DBS-3500 is designed with ergonomic dual handles and two large, smooth wheels for effortless movement across various terrains. It weighs approximately 41.06kg (90.5lb).

Next-Gen Battery, Next-Gen Performance

Less Burden, More Energy
Multi-tab integrated technology delivers 30% higher energy density, achieving larger capacity along with decreased weight than traditional LiFePO4 of the same size.

Uncompromising Safety
4X fewer contact points result in less heat generation and energy loss, ensuring a more reliable performance.

All-Around BMS Protection
Adaptively regulates current, voltage, output and temperature in real time to maintain safe operating environment.

Image: A person demonstrating the portability of the DBS-3500, pulling it with its extendable handle and integrated wheels on a paved surface.

5. MAINTENANCE

5.1 Battery Care

The DBS-3500 utilizes a semi-solid state LiFePO4 battery, offering a lifespan of over 15 years and up to 4500

charge cycles while maintaining over 80% capacity. To prolong battery life, avoid extreme temperatures and store the unit with a partial charge (e.g., 50-80%) if not used for extended periods.

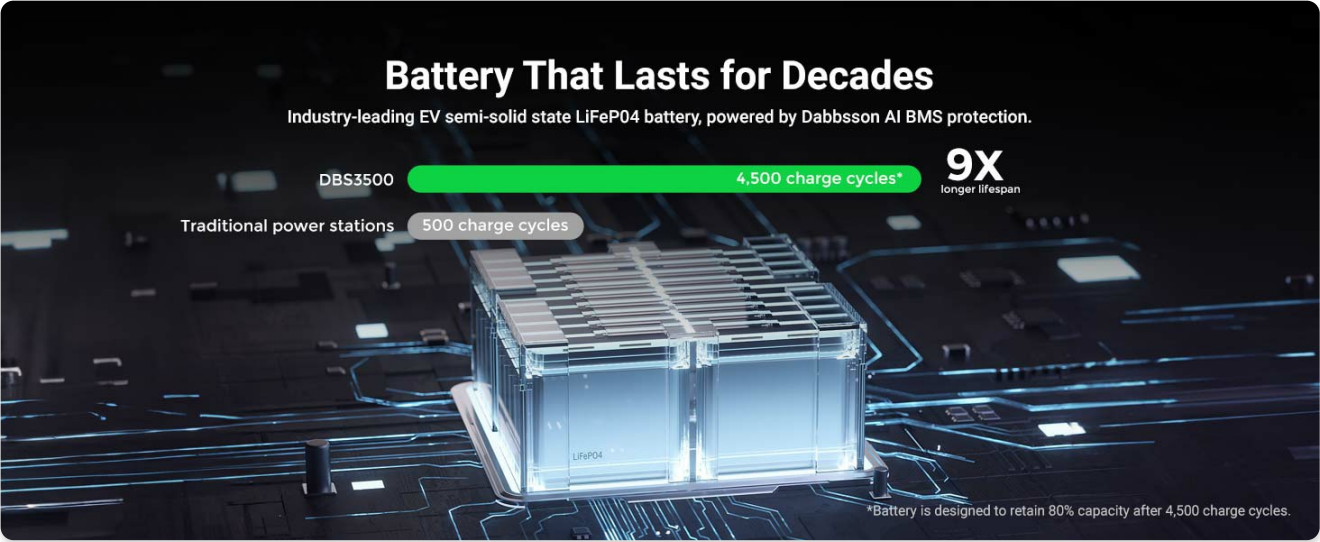


Image: A graphic detailing the advanced features of the Dabbsson semi-solid state LiFePO4 battery, including its lifespan, charge cycles, safety certifications, and 32 layers of protection.

5.2 Safety Features

The integrated Battery Management System (BMS) provides 8-layer protection against overheating, low temperatures, overloads, and over-discharge, ensuring safe operation. Do not attempt to disassemble or modify the unit.

Power Tools

Electric Hammer
(1250W)
2.3H

Power Drill
(1080W)
2.6H

Weeders
(2200W)
1.3H

Power Saw
(1400W)
2H

DBS3500 × 1

Image: A visual comparison demonstrating the safety of Dabbsson's EV Semi-Solid State LiFePO4 Battery during a nail penetration test, showing no explosion or fire, versus an ordinary LiFePO4 battery which exhibits liquid leakage and smoke.

5.3 Cleaning

Use a dry, soft cloth to clean the exterior of the power station. Avoid using harsh chemicals or abrasive materials. Ensure all ports are free from dust and debris.

6. TROUBLESHOOTING

If you encounter issues with your DBS-3500, 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

an initial charge.

- **No Output from Ports:** Check if the specific output section (AC, USB) is enabled. Verify that the connected device is functioning correctly and its power requirements do not exceed the port's or unit's capacity.
- **Charging Not Initiating:** Confirm that charging cables are securely connected. For solar charging, ensure panels are in direct sunlight and not obstructed. Check the input source (wall outlet, car, solar) for proper function.
- **Overload Warning:** If an overload warning appears, disconnect some devices to reduce the total power draw. The unit's protection system will automatically shut down output if overloaded.

For persistent issues or further assistance, please contact Dabbsson customer support.

7. SPECIFICATIONS

Feature	Specification
Brand	Dabbsson
Model Name	DBS3500
Wattage (Running)	3600 Watts
Wattage (Starting)	7200 Watts
Voltage	120 Volts
Battery Type	Semi-Solid LiFePO4
Capacity	3430Wh
Expandable Capacity	Up to 28,140Wh (with additional units/batteries)
AC Output	3600W (supports 99% appliances)
Solar Input	Max 2400W
AC Charging Time	Approx. 2.2 hours (1800W)
Solar Charging Time	Approx. 2 hours (2400W)
Dimensions (L x W x H)	20.9" x 12" x 15.4" (533 x 305 x 393 mm)
Item Weight	89.7 lbs (41.06 kg)
Special Feature	Rechargeable Battery, App Control, Portable with Wheels
Included Components	DBS3500 Portable Power Station x1, AC charging cable x1, Solar charging cable x1, Car charging cable x1, User manual x1, 420W Solar Panel x2

8. WARRANTY AND SUPPORT

8.1 Warranty Information

The Dabbsson Solar Generator DBS-3500 comes with a 3+2 Year Quality Service warranty. Please retain your proof of purchase for warranty claims.

8.2 Customer Support

Dabbsson provides prompt local customer service and lifetime technical support. For any inquiries, technical assistance, or warranty claims, please visit the official Dabbsson website or contact their customer service department directly.

You can find more information and support resources at the [Dabbsson Store on Amazon](#).

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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