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› Dabbsson DBS3500 Portable Power Station User Manual

Dabbsson DBS3500

Dabbsson DBS3500 Portable Power Station User Manual

Model: DBS3500 | Brand: Dabbsson

1. INTRODUCTION

The Dabbsson DBS3500 is a high-capacity portable power station designed to provide reliable power for various applications, including home backup, outdoor activities, camping, RV use, and emergency power outages. Featuring a 3430Wh capacity and a 3600W pure sine wave AC output, it utilizes advanced semi-solid state LiFePO4 battery technology for enhanced safety and longevity. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your DBS3500 power station.



Figure 1: Front view of the Dabbsson DBS3500 Portable Power Station, showcasing its display and various output ports.

2. SAFETY INFORMATION

Please read all safety warnings and instructions carefully before using this product. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Do not disassemble, repair, or modify the unit.
- Do not place the unit near heat sources or in direct sunlight.
- Do not expose the unit to rain or moisture.
- Use only original or certified charging cables and accessories.
- Ensure proper ventilation during use and charging.
- Keep out of reach of children and pets.

The DBS3500 incorporates a built-in Battery Management System (BMS) with an 8-layer protection system to safeguard against various risks, including heat protection, low-temperature protection, overload protection, and over-discharge protection. This system continuously monitors the battery's state of charge and health to ensure ultimate safety.

Quick Charge in No Time

Whether you are on the road or at home, get DBS3500 charged in no time with up to 6 charging methods.



AC Wall Outlet Charge
1800W 2.2 hrs



Solar Charge
2400W 2 hrs



AC+Solar Charge
3400W 1.5 hrs



Figure 2: Internal view illustrating the semi-solid state LiFePO4 battery technology and integrated BMS for enhanced safety and longevity.

3. PACKAGE CONTENTS

Verify that all items are included in your package:

- Dabbsson DBS3500 Portable Power Station (x1)
- AC Charging Cable (x1)
- Solar Charging Cable (x1)
- Car Charging Cable (x1)
- User Manual (x1)
- Warranty Card (x1)

4. PRODUCT OVERVIEW

The DBS3500 is designed for portability and ease of use. It features ergonomic dual handles and two smooth large wheels for convenient movement across various terrains. The front panel includes a display screen showing battery status, input/output wattage, and other operational information, along with various AC and DC output ports.

Scalable Power to Mega **28,140Wh**

Expandable energy solution for your home, work,
and outdoor adventures



Figure 3: The DBS3500 features a dual wheeling system and horizontal ergonomic pull rod for easy transportation.

5. SETUP

5.1 Initial Charging

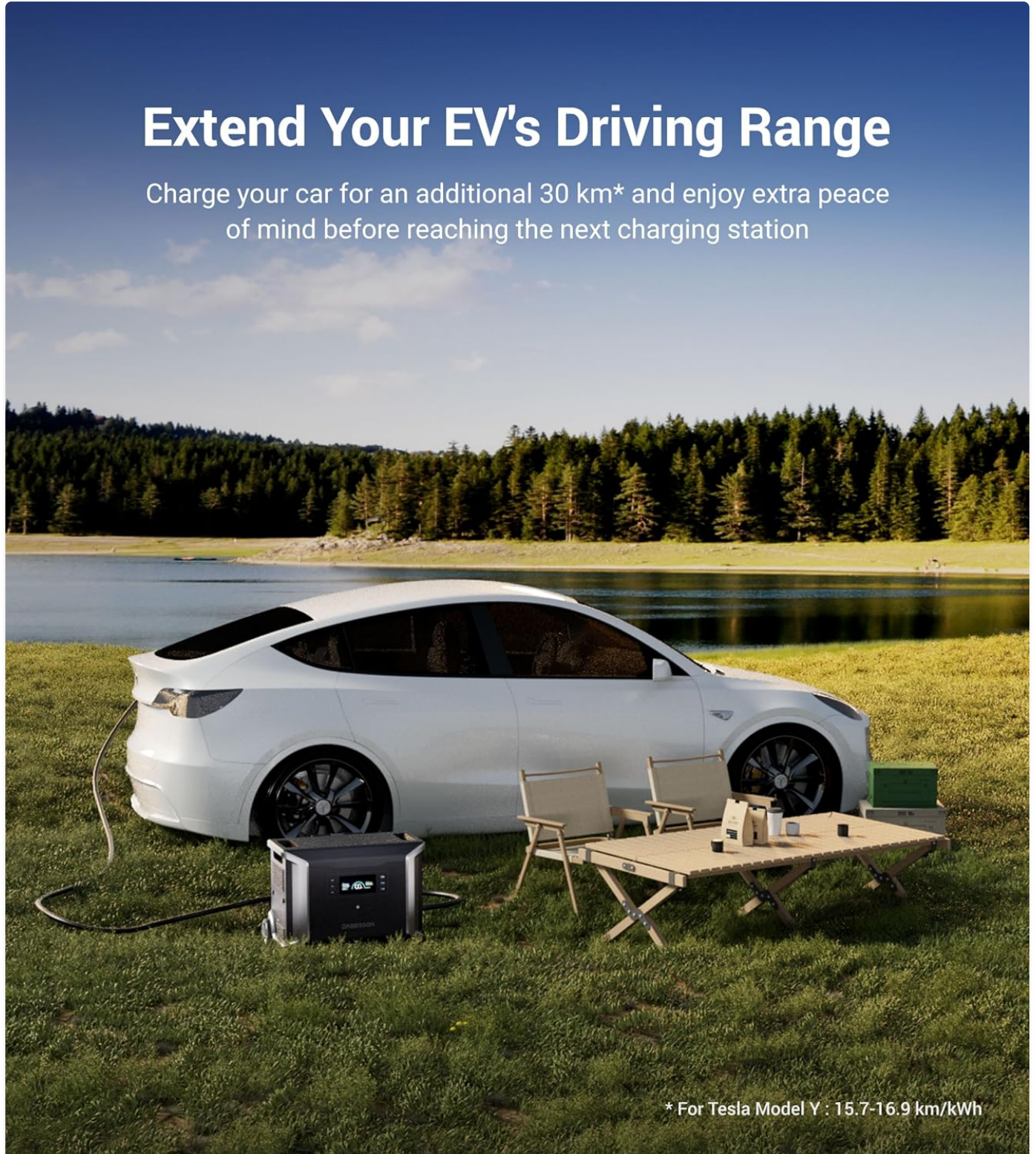
Before first use, fully charge the DBS3500. It can be recharged quickly via AC wall charging, solar, AC+solar combination, car charging, or generator charging. A full recharge via AC input typically takes approximately 2 hours.

5.2 App Connection

For comprehensive control and monitoring, download the Dabbsson app. The app allows you to manage energy allocation, monitor energy status, customize output/input settings, and utilize timer management functions.

Extend Your EV's Driving Range

Charge your car for an additional 30 km* and enjoy extra peace of mind before reaching the next charging station



* For Tesla Model Y : 15.7-16.9 km/kWh

6. OPERATING INSTRUCTIONS

6.1 Turning On/Off

Press and hold the main power button to turn the unit on or off. The display will illuminate upon activation.

6.2 Connecting Devices

Plug your devices into the appropriate AC or DC output ports. The DBS3500 offers a robust 3600W AC output, capable of powering a wide range of devices, including home appliances and power tools.

6.3 Recharging Methods

The DBS3500 supports multiple recharging options:

- **AC Wall Charging:** Connect the AC charging cable to a standard wall outlet.
- **Solar Charging:** Connect compatible solar panels using the provided solar charging cable. The unit supports up to 2400W solar input.
- **AC + Solar Charging:** Combine AC and solar inputs for faster recharging.
- **Car Charging:** Use the car charging cable to recharge from your vehicle's 12V outlet.
- **Generator Charging:** Connect to a compatible generator for recharging.

Track and Control Even When You're Away

Download the Dabbsson app for all-in-one convenience



Energy
Allocation



Energy Status
Monitoring



Customize
Output/Input



Power
Off



Timer
Management



Figure 5: The DBS3500 supports multiple charging methods, including AC wall and solar charging.

6.4 Scalable Power

For increased power output and capacity, two DBS3500 units can be combined to achieve an impressive 7000W AC output. Additionally, the system is scalable up to 28,156Wh by connecting with DBS5300B battery packs (sold separately).

No Worries About Device Limits

From low-watt devices to larger appliances and power tools, DBS3500 has got your life and work covered

7000W Max
110V/240V*

30%
Tax Credit



Sewage pump
(1800W)



Lawn mower
(1500W)



Garbage disposal unit
(1250W)



Clothes dryer
(3000W)



Oven
(2400W)

*Additional unit required, sold separately.

Figure 6: Two DBS3500 units can be stacked to double the power output for higher wattage equipment.

6.5 Example Use Cases

The DBS3500 is versatile for various power needs:

- **Home Backup:** Power essential home appliances during outages.
- **Outdoor & Camping:** Provide power for electronics, cooking appliances, and lighting.
- **EV Charging:** Extend your electric vehicle's driving range by charging it on the go.

First-in-Class Battery Technology



Figure 7: The DBS3500 can power various household devices, providing reliable energy for daily needs.



Move It to Wherever You Need It

Power up your devices wherever adventure takes you.

Horizontal Ergonomic pull rod
Easy and comfortable to grip

Dual wheeling system
For smooth travel

Figure 8: The DBS3500 can be used to extend the driving range of electric vehicles, offering convenience for travel.

7. MAINTENANCE

To ensure the longevity and optimal performance of your DBS3500:

- **Battery Care:** The semi-solid state LiFePO4 battery is designed for over 4500 charge cycles, providing 15+ years of reliable use before significant degradation. For best results, avoid completely draining the battery frequently.
- **Storage:** Store the unit in a cool, dry place away from direct sunlight and extreme temperatures. If storing for extended periods, charge the unit to approximately 50-80% every 3-6 months.

- **Cleaning:** Use a dry, soft cloth to clean the exterior of the unit. Do not use liquid cleaners or immerse the unit in water.

8. TROUBLESHOOTING

If you encounter issues with your DBS3500, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Unit does not turn on	Battery is completely discharged; Power button not held long enough.	Charge the unit using an AC wall outlet; Press and hold the power button for 3-5 seconds.
No output from AC/DC ports	Output port not activated; Overload protection triggered.	Ensure the specific AC/DC output button is pressed; Reduce connected load; Restart the unit.
Slow charging speed	Low input power; High ambient temperature.	Ensure charging source meets specifications (e.g., sufficient solar input); Charge in a cooler environment.
Fan noise is loud	Unit is under heavy load or high temperature.	This is normal operation to dissipate heat. Ensure adequate ventilation around the unit.
App connection issues	Incorrect Wi-Fi password; Bluetooth not enabled.	Verify Wi-Fi credentials; Ensure Bluetooth is active on your device and the power station.

If the problem persists, please contact Dabbsson customer support.

9. SPECIFICATIONS

Feature	Specification
Model Name	DBS3500
Battery Type	EV Semi-Solid State LiFePO4 (LFP)
Capacity	3430 Wh
AC Output	3600 W (Pure Sine Wave)
Max Combined AC Output	7000 W (with two DBS3500 units)
Expandable Capacity	Up to 28,156 Wh (with DBS5300B battery packs)
AC Input (Charging)	Up to 1800 W (approx. 2 hrs to full charge)
Solar Input (Charging)	Up to 2400 W (approx. 2 hrs to full charge)
Dimensions (L x W x H)	20.98" x 12.01" x 15.47" (533 x 305 x 393 mm)
Weight	90.5 lbs (42 kg)
Total Power Outlets	5 (AC outlets)

Feature	Specification
Lifespan	4500+ charge cycles to 80% capacity (15+ years)
UPC	850046840265

10. WARRANTY AND SUPPORT

The Dabbsson DBS3500 Portable Power Station comes with a 3+2 year warranty, providing peace of mind for your investment. Dabbsson is committed to offering continuous support, including rapid local customer service and lifetime technical support.

For any inquiries, technical assistance, or warranty claims, please contact Dabbsson customer service through the contact information provided on your warranty card or the official Dabbsson website.

Note: As a U.S. taxpayer, you may be eligible for a 30% tax credit on this renewable energy product. Consult with a tax professional for eligibility details.

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