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› Dabbsson DBS1300 Portable Power Station User Manual

Dabbsson DBS1300

Dabbsson DBS1300 Portable Power Station User Manual

Model: DBS1300

Brand: Dabbsson

1. INTRODUCTION

Thank you for choosing the Dabbsson DBS1300 Portable Power Station. This manual provides essential information for the safe and efficient operation of your device. Please read it thoroughly before use and keep it for future reference.



Figure 1.1: Dabbsson DBS1300 Portable Power Station. This image shows the front of the power station, highlighting its display screen, USB ports, and AC outlets, along with a mobile phone displaying the companion app interface.

2. WHAT'S IN THE BOX

Upon unpacking, please verify that all the following items are included:

- 1x Dabbsson Portable Power Station DBS 1300
- 1x AC charging cable
- 1x Car charging cable
- 1x Solar charging cable
- 1x User manual (this document)

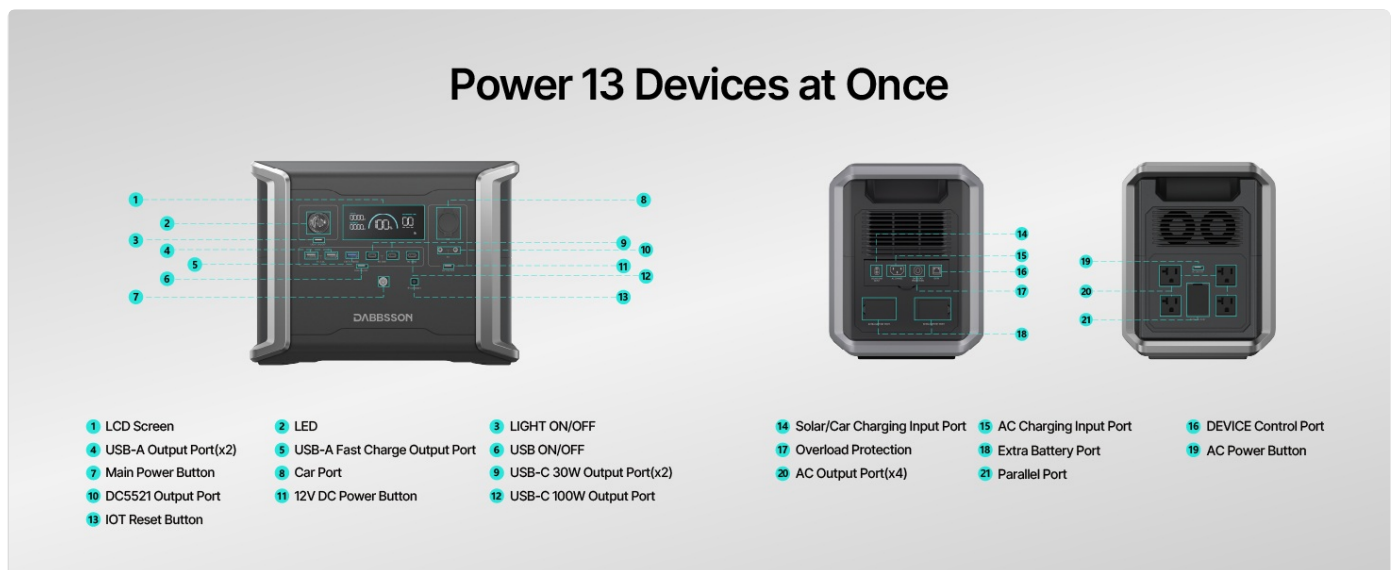


Figure 2.1: Packing List. This image visually confirms the included components: the DBS1300 unit, AC charging cable, car charging cable, solar charging cable, and the user manual.

3. PRODUCT OVERVIEW AND FEATURES

The Dabbsson DBS1300 is a versatile portable power station designed for various applications, from camping to home backup. It features advanced battery technology and multiple output options.

Key Features:

- **Rapid Charging Efficiency:** Supports multiple charging methods including AC, solar, and car charging. Achieves 0-80% charge in 44 minutes with AC input, or full charge with AC+solar (up to 1400W) in 96 minutes.
- **Power Multiple Devices:** Equipped with 12 available ports, including 4 Pure Sine Wave AC outlets (1200W each, up to 1600W with P-Boost) and 3 USB-C ports (up to 100W each).
- **Scalable Power & Capacity:** Expandable capacity by adding up to two DBS1700B batteries for a total of 4730Wh. Supports parallel operation of two DBS1300 units with four DBS1700B batteries for up to 9460Wh.
- **Top-Notch Safety and Efficiency:** Utilizes EV semi-solid state LiFePO4 batteries and an UL94 V0-rated fireproof outer shell. Maintains 80% capacity after over 4,500 charge cycles (plus 500 with BMS), offering up to 15 years of reliable power.
- **App Control:** Intuitive mobile application for real-time monitoring, power setting adjustments, input/output tracking, and timer management.
- **EPS Functionality:** Features an Emergency Power Supply (EPS) function with a 15ms switchover time for uninterrupted operation during power outages.

Pioneering Revolutionary Safety and Longevity

First in the Market: Crafted with the safest, most durable **Semi-solid LiFePO4 Battery**. Get **15 Years** of use with **4500+** cycles at 80% capacity.



Figure 3.1: App Control Interface. This image displays the Dabbsson DBS1300 power station alongside a smartphone showing the power station's companion app, illustrating real-time monitoring and control capabilities.

Charging Can Be More Than One Way

If AC charging is not enough, combine AC and solar input for incredible 1400W max input. Now you can juice up the power station from 0% to 100% in just 1.5 hrs.

	
AC (1000W)	AC + PV (1400W)
0% - 80% in 44 mins *	0% - 100% in 96 mins *



Figure 3.2: Port Layout. This diagram labels the various input and output ports on the Dabbsson DBS1300, including AC outlets, USB ports, and charging inputs, providing a clear guide to connectivity.

4. SETUP

Before first use, ensure the power station is fully charged. Unpack all components and place the unit on a stable, flat surface in a well-ventilated area.

Initial Charging:

1. Connect the AC charging cable to the AC Charging Input Port on the back of the DBS1300.
2. Plug the other end of the AC charging cable into a standard wall outlet.
3. The LCD screen will indicate charging status. Charge until the battery indicator shows 100%.

For faster charging, you can combine AC and solar input. Connect the solar charging cable to the Solar/Car Charging Input Port and connect compatible solar panels (sold separately).



Film and Create Anywhere Anytime

DBS1300 × 1 + DBS1700B × 2 (4730Wh)

 Camera 99 times	 Laptop 26 times
 Drone 39 times	 Speaker 97 Hours

Figure 4.1: AC Charging. This image shows the Dabbsson DBS1300 connected to a wall outlet for rapid AC charging, demonstrating its ability to reach 80% charge in 44 minutes.

Full Charge in a Snap

1000W max AC input delivers lightning-fast charge, taking the power from 0% to 80% in just **44mins**.
Powered by DABBSON AI BMS.



Figure 4.2: AC + Solar Charging. This image illustrates the power station being charged simultaneously by both an AC outlet and solar panels, highlighting its versatile charging options.

5. OPERATING INSTRUCTIONS

Turning On/Off:

- Press and hold the Main Power Button for 3 seconds to turn the unit on or off.
- The LCD screen will illuminate upon power-on.

Using Output Ports:

To activate specific output sections (AC, USB, DC), press the corresponding button next to the ports. The indicator light will turn on when active.

- **AC Outlets:** Press the AC Power Button to enable the 120V AC outlets. Connect your devices.
- **USB Ports:** USB-A and USB-C ports are typically always active when the unit is on.
- **12V DC Output:** Press the 12V DC Power Button to enable the car charging port and DC5521 output ports.

App Control:

Download the Dabbsson app from your device's app store. The app allows for remote monitoring and control of your power station.

- Monitor battery status, input/output power, and remaining runtime.
- Adjust power settings and enable/disable output ports.
- Utilize timer management for scheduled charging and discharging, optimizing energy usage during off-peak hours.



Figure 5.1: Smart App Control. This image shows the Dabbsson app interface, specifically highlighting the feature to schedule charging during off-peak hours to save on electricity bills.

Capacity Expansion and Parallel Operation:

The DBS1300 can be expanded for increased capacity and power output.

- **Extra Battery Ports:** Connect up to two DBS1700B batteries to the Extra Battery Ports for increased storage (up to 4730Wh total).
- **Parallel Port:** For even greater power, two DBS1300 units can be connected in parallel, each with two DBS1700B batteries, reaching a total of 9460Wh.

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 5.2: Expandable Power System. This image demonstrates the modularity of the Dabbsson power station, showing multiple DBS1300 units stacked with DBS1700B expansion batteries, illustrating how capacity can be multiplied.

Usage Scenarios:

The DBS1300 is suitable for a wide range of applications:

- **Outdoor Adventures:** Power phones, camping lights, portable refrigerators, and blenders.
- **Home Backup:** Keep essential appliances like laptops, coffee makers, and heated blankets running during outages.
- **Work & DIY:** Operate corded string trimmers, electric drills, and chainsaws.
- **Creative Projects:** Charge cameras, laptops, drones, and speakers on location.

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.

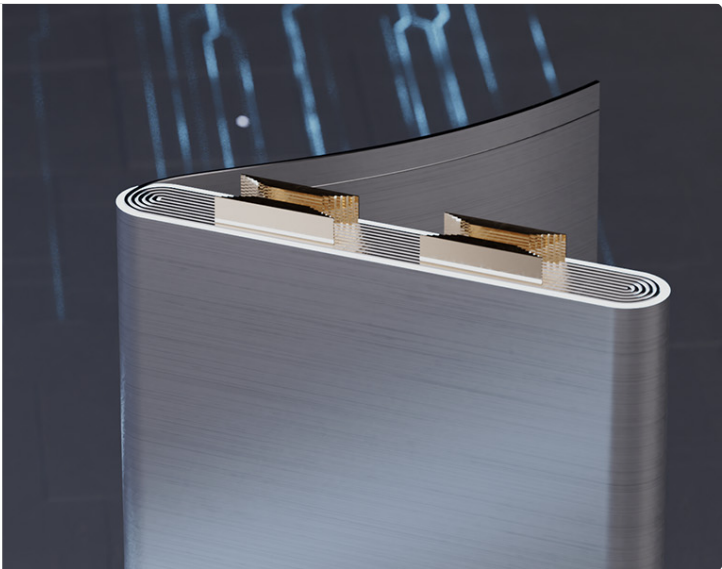


Figure 5.3: Camping Use. This image shows the Dabbsson DBS1300 being used outdoors to power various devices, such as a phone, camping light, and portable refrigerator, during a camping trip.



Stay Charged Throughout Your Journey

DBS1300 (1330Wh)

 Phone 120 times	 Camping Light 12 hours	 Projector 12 hours
 Electric Grill 1 hours	 Portable Refrigerator 20 hours	 Blender 1.2 hours

Figure 5.4: Home Backup. This image depicts the Dabbsson DBS1300 providing power for household essentials like a laptop and coffee maker, demonstrating its utility as a home backup solution.



For All Basics You Have

DBS1300 + DBS1700B (3030Wh)

 Laptop 26 times	 Coffee Maker 3 Hours	 Air Fryer 2 Hours
 Electric Kettle 3 Hours	 Tower Fan 77 Hours	 Heated Blanket 49 Hours

Figure 5.5: Powering Tools. This image shows the Dabbsson DBS1300 being used to power an electric drill, illustrating its capability to support various power tools for work or DIY projects.

Video 5.1: Dabbsson DBS1300 Portable Power Station Overview. This video provides a visual demonstration of the Dabbsson DBS1300, showcasing its features,

6. MAINTENANCE

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 dry, soft cloth to clean the exterior. Do not use abrasive cleaners or immerse the unit in water.
- **Ventilation:** Ensure the ventilation vents are clear of obstructions to prevent overheating.
- **Battery Longevity:** The EV semi-solid state LiFePO4 battery is designed for over 4,500 charge cycles to 80% capacity, providing up to 15 years of use. The integrated BMS system further enhances battery life and safety.



Figure 6.1: Advanced Battery Technology. This image illustrates the internal structure of the Dabbsson DBS1300, highlighting its semi-solid LiFePO4 battery and the robust design that contributes to its pioneering safety and longevity, rated for over 4500 cycles.

EPS 15ms Switchover

Say goodbye to power interruptions and don't worry about sudden blackouts. The EPS function automatically switches over within 15ms, ensuring uninterrupted operation of critical equipment in the event of a power outage.



Figure 6.2: Quiet Operation. This image visually represents the low noise level of the Dabbsson DBS1300, indicating it operates at under 30dB, making it suitable for quiet environments like a bedroom.

7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Unit does not turn on	Battery is completely depleted; Main power button not pressed long enough.	Charge the unit using AC input; Press and hold the Main Power Button for 3 seconds.
AC outlets not working	AC output not enabled; Overload protection activated.	Press the AC Power Button; Reduce connected load, then restart AC output.
Slow charging	Using low-power charging method (e.g., car charger only); Environmental temperature too high/low.	Use AC charging or combined AC+Solar for faster charging; Ensure unit is in optimal temperature range (0-40°C).
App connectivity issues	Bluetooth/Wi-Fi off; App not updated; Unit too far from device.	Ensure Bluetooth/Wi-Fi is enabled on your phone; Update the Dabbsson app; Move closer to the power station.

If the problem persists, please contact Dabbsson customer service for assistance.

8. SPECIFICATIONS

Detailed technical specifications for the Dabbsson DBS1300 Portable Power Station:

Specification	Value
Model Name	DBS1300
Brand	Dabbsson
Battery Type	EV Semi-Solid LiFePO4
Capacity	1330Wh

Specification	Value
AC Output (Rated)	1200W (Pure Sine Wave)
AC Output (P-Boost)	Up to 1600W
USB-C Output	Up to 100W per port (3 ports)
AC Input	1000W Max
Solar Input	Max 1400W (combined with AC)
Charge Cycles	4500+ cycles to 80% capacity
Dimensions (L x W x H)	14.25"L x 10.83"W x 8.7"H
Item Weight	36 Pounds
Color	Black with Grey

9. WARRANTY & SUPPORT

Dabbsson provides a comprehensive warranty for your DBS1300 Portable Power Station.

- **Warranty Period:** Enjoy a 5-year warranty (3 years standard + 2 years extended).
- **Customer Service:** For any questions, technical support, or warranty claims, please contact Dabbsson customer service. Refer to the contact information provided on the Dabbsson official website or the included warranty card.

Please retain your proof of purchase for warranty validation.

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