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› DABBSSON 3000L Solar Generator User Manual

Dabbsson 3000L

DABBSSON 3000L Solar Generator User Manual

MODEL: 3000L

1. Introduction

Thank you for choosing the DABBSSON 3000L Solar Generator. This portable power station is designed to provide reliable and efficient power for various applications, from home backup to outdoor adventures. Featuring a 3072Wh semi-solid LiFePO4 battery and a 3000W AC output (P-Boost up to 3600W), it offers extended runtime and versatile charging options. This manual provides essential information for safe operation, setup, maintenance, and troubleshooting.



Image: The DABBSSON 3000L Solar Generator, a compact and powerful portable energy solution.

2. Safety Instructions

Please read and understand all safety instructions before operating the DABBSSON 3000L. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Do not disassemble, repair, or modify the unit.
- Keep the unit away from heat sources, direct sunlight, and flammable materials.
- Do not expose the unit to water or excessive humidity.
- Ensure proper ventilation during use to prevent overheating.
- Keep out of reach of children and pets.
- Use only original or certified charging cables and accessories.
- In case of fire, use a dry powder fire extinguisher. Do not use water.

3. Product Components and Overview

3.1 What's Included

The package includes the following items:

- 1 x Dabbsson 3000L portable power station

- 1 × AC charging cable
- 1 × Car charging cable
- 1 × User manual



Image: Contents of the DABBSSON 3000L package, including the power station, AC cable, car cable, and user manual.

3.2 Product Diagram and Ports

Familiarize yourself with the various ports and controls on your DABBSSON 3000L:

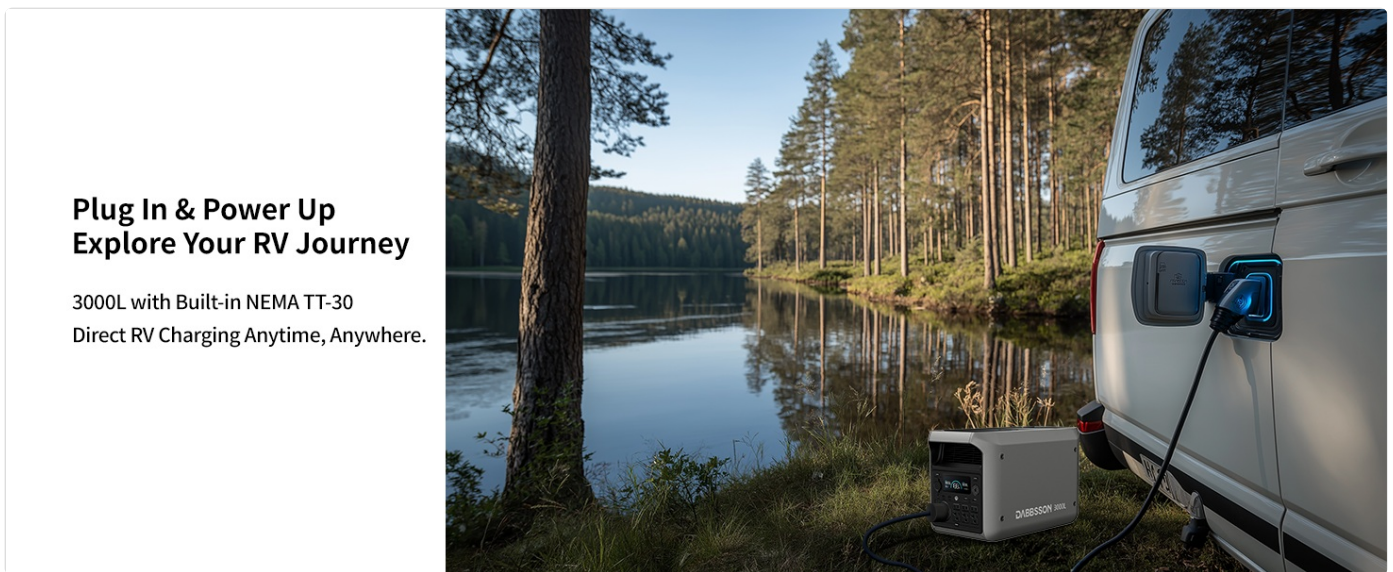


Image: Detailed diagram illustrating the front and rear panels of the DABBSSON 3000L, highlighting all input and output ports and control buttons.

No.	Feature	Description
1	USB-C 100W Output Port	High-power USB-C output for fast charging compatible devices.
2	DC Power Button/IoT	Activates DC output and IoT connectivity.
3	Car Cigarette Lighter	12V car port output.
4	DC5521 Output Port	Standard DC output port.
5	USB-C 30W Output Port	Standard USB-C output.
6	AC Output Port TT-30	Dedicated TT-30 outlet for RV charging.
7	LCD Screen	Displays battery status, input/output power, and error indicators.
8	Light On/Off	Controls the built-in LED light.
9	LED	Built-in LED light for illumination.

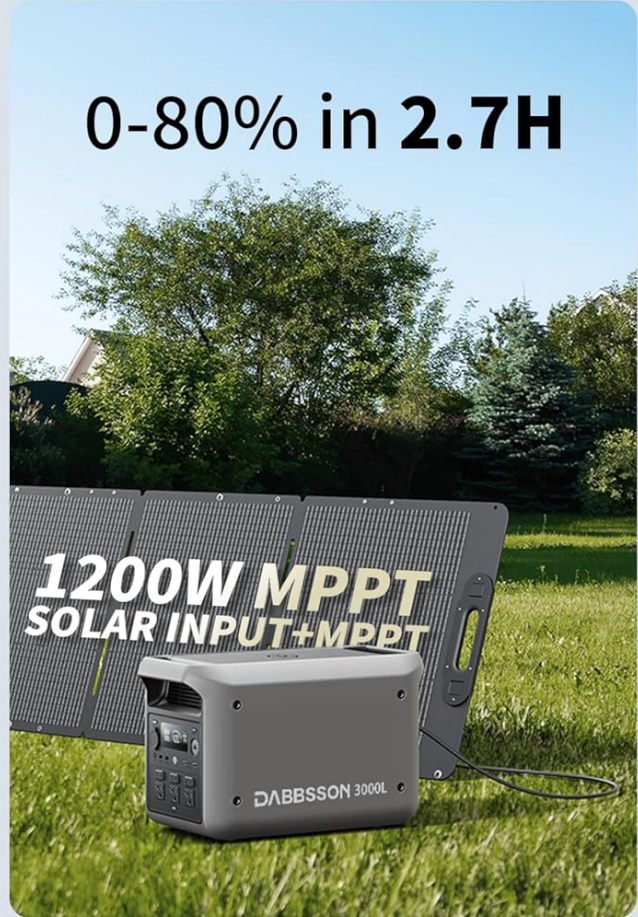
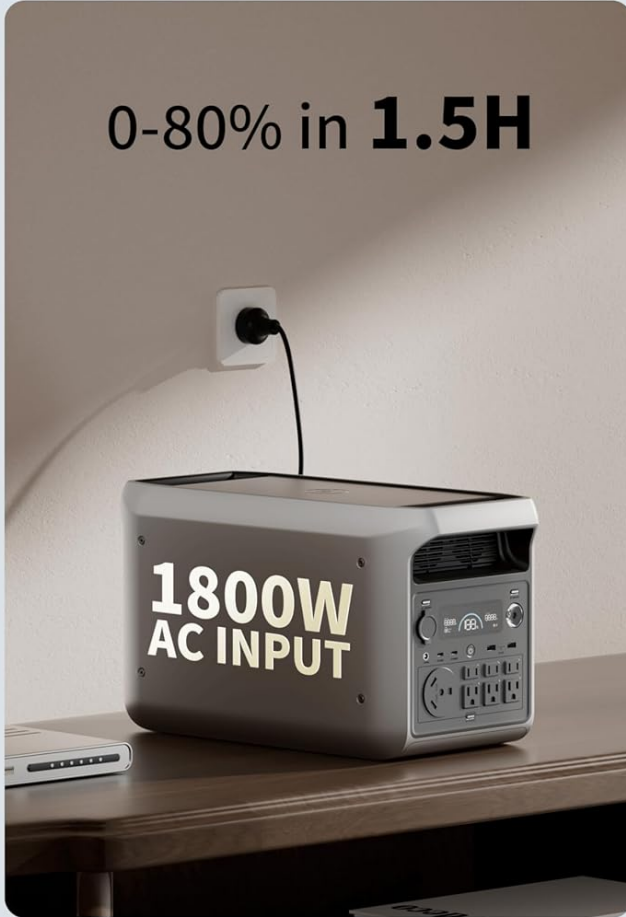
No.	Feature	Description
10	Main Power Button	Turns the unit on/off.
11	USB-A Output Port	Standard USB-A output ports.
12	AC Output Port (x6)	Standard AC outlets for various appliances.
13	AC On/Off	Activates/deactivates AC output.
14	Solar/Car Charging Input Port	Input for solar panels or car charger.
15	AC Charging Input Port	Input for AC wall charging.

4. Setup

4.1 Initial Charging

Before first use, fully charge the DABBSSON 3000L. Connect the provided AC charging cable to the AC Charging Input Port (15) and plug it into a wall outlet. The LCD screen (7) will indicate charging status. It takes approximately 1.5 hours to charge to 80% using AC input.

Fast Dabflash Recharging Technology for 3072Wh Mega Capacity



*The recharging time may vary based on different lighting conditions. For reference only.

Image: The DABSSON 3000L being recharged using its 1800W AC input, demonstrating its fast charging capability.

4.2 Connecting Devices

To power your devices, simply plug them into the appropriate output ports (AC, USB-A, USB-C, DC5521, Car Port, TT-30). Ensure the power station is turned on and the specific output group (AC/DC) is activated via its respective button.

5. Operating Instructions

5.1 Turning On/Off

Press and hold the Main Power Button (10) for a few seconds to turn the unit on or off. The LCD screen (7) will illuminate.

5.2 Using AC Outputs

After turning on the unit, press the AC On/Off button (13) to activate the AC outlets (12) and the TT-30 port (6). The LCD screen will show the AC output status. The DABSSON 3000L provides 3000W rated output, with P-Boost technology supporting up to 3600W for power-hungry appliances.

Power 99% Devices with Power-Boost 3072Wh /3000W

Rated 3000W, supports some devices up to 3600W with power boost mode.



REFRIGERATOR(900W)
3.2 HRS



TOASTER(1000W)
2.9 HRS



KETTLE(1600W)
1.8 HRS



HAIR DRYER(1800W)
1.6 HRS



ELECTRIC GRILL(3000W)
1 HRS

Image: The DABSSON 3000L powering various household and outdoor devices, demonstrating its 3000W output and Power-Boost capability up to 3600W.

5.3 Using DC and USB Outputs

Press the DC Power Button/IoT (2) to activate the DC5521 (4), Car Cigarette Lighter (3), USB-C (1, 5), and USB-A (11) ports. These ports are ideal for charging smaller electronics like phones, tablets, and laptops.

5.4 Charging the Power Station

The DABSSON 3000L can be recharged via multiple methods:

- **AC Wall Outlet:** Connect the AC charging cable to the AC Charging Input Port (15). Max 1800W input.
- **Solar Panels:** Connect compatible solar panels (up to 1200W MPPT supported) to the Solar/Car Charging Input Port (14).
- **Car Charger:** Use the provided car charging cable to connect to your vehicle's 12V outlet via the Solar/Car Charging Input Port (14).
- **Dual Charging:** Combine AC and solar input for even faster recharging. The unit prioritizes solar input (PV-Priority Charging) to maximize renewable energy use.

Different Options for Recharging



Image: Visual representation of the three primary charging methods: AC wall charging, solar panel charging, and car charging.

5.5 Smart App Control

Download the Dabbsson App to monitor power status, adjust AC charging speed, schedule off-peak charging, and control other features via Wi-Fi or Bluetooth. This allows for seamless management of your power station from your smartphone.

Time Your Power, Your Way

Set It & Forget It • Smart Savings • Seamless Control



Charging/discharging scheduling
no more manual switching.



Optimize energy use and
lower bills effortlessly.



Integrated with home smart
plug for ultimate convenience.



Image: A hand holding a smartphone displaying the Dabbsson app interface, demonstrating remote control and monitoring capabilities for the power station within a smart home environment.

5.6 Built-in LED Light

The DABBSSON 3000L features a built-in LED light (9) for emergencies or low-light conditions. Press the Light On/Off button (8) to cycle through different modes: Soft, Bright, and SOS.

What's in the Box



1* Dabbsson 3000L



1* AC Charging Cable



1* Car Charging Cable



1* User Manual

Image: The DABBSSON 3000L's built-in LED light providing illumination at a campsite, highlighting its utility for night or emergency situations.

6. Maintenance

6.1 Battery Care (Semi-Solid LiFePO4)

The DABBSSON 3000L uses advanced semi-solid LiFePO4 cells, offering over 4000 charge cycles and a lifespan of 10+ years. To maximize battery life:

- Avoid extreme temperatures. Store the unit in a cool, dry place.
- For long-term storage, discharge the battery to about 50% and recharge it to 50% every 3-6 months.
- Do not fully deplete the battery frequently.

Upgraded Semi-solid LiFePO4 Cell

Similar to the battery used in high-end electric cars, it retains 80% of battery health after 4000 charge cycles, equivalent to 10 years of use.

10 Years
Lifespan

4000+
Charge Cycles

5-Year
Coverage



Image: An internal view of the DABBSSON 3000L, showcasing its semi-solid LiFePO4 battery cells, emphasizing its 10-year lifespan and 4000+ charge cycles.

6.2 Cleaning

Wipe the exterior of the unit with a soft, dry cloth. Do not use abrasive cleaners or solvents. Ensure all ports are free of dust and debris.

7. Troubleshooting

If you encounter issues with your DABBSSON 3000L, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Unit does not turn on	Battery is fully discharged.	Connect to AC power and charge for at least 15 minutes.

Problem	Possible Cause	Solution
AC output not working	AC output not activated. Overload protection triggered.	Press the AC On/Off button. Reduce connected load; restart the unit.
Slow charging	Using a low-power charging source. High ambient temperature.	Ensure 1800W AC input is used. Move to a cooler environment.
Unit overheating	Poor ventilation. Excessive load.	Ensure vents are clear. Reduce connected load. Allow unit to cool.

For persistent issues, please contact Dabbsson customer support.

8. Specifications

Feature	Detail
Brand	Dabbsson
Model Name	3000L
Wattage	3000 watts (Rated), 3600 watts (P-Boost)
Fuel Type	Electric
Power Source	Battery Powered/Solar Powered
Item Weight	59.5 Pounds
Voltage	120 Volts
Product Dimensions	19.1"L x 9.57"W x 11.6"H
Battery Type	Semi-Solid LiFePO4
Battery Capacity	3072Wh
AC Input	1800W Max
Solar Input	1200W Max (MPPT)
AC Outlets	6 × AC outlets, 1 × TT-30
USB-C Output	2 × (100W & 30W)
USB-A Output	2 ×
Car Port	1 ×
DC5521	1 ×
Special Features	Digital Display, Overload Protection, Short Circuit Protection, USB Port, Smart App Control, Built-in LED Light

9. Warranty and Support

The DABBSSON 3000L comes with an industry-leading 5-year warranty (3 years standard + 2-year extended). For any questions, technical assistance, or warranty claims, please contact Dabbsson customer service. Our team is available to provide support and ensure your satisfaction.

You can find contact information and further resources on the official Dabbsson website or through your purchase platform.

Peace of Mind Purchase
---Reached Local Technical Support Easily by Phone or Email.
---5 Year Coverage

United States, United States, United Kingdom, Germany, Japan

Widespread sales, Worldwide customer service network, Local technical support, Easy to reached by phone or email

The advertisement features a world map with blue dots indicating service locations in the United States, United Kingdom, Germany, and Japan. To the right of the map, a woman and a man are smiling with their arms crossed. Below the map are four icons with corresponding text: a bar chart for 'Widespread sales', a globe for 'Worldwide customer service network', a person icon for 'Local technical support', and an envelope for 'Easy to reached by phone or email'.

Image: A map illustrating Dabbsson's widespread sales and worldwide customer service network, emphasizing easy access to local technical support.