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### Dabbsson 3000L

# DABBSSON 3000L Solar Generator and 420W Solar Panel User Manual

## MODEL: 3000L

Thank you for choosing DABBSSON. This manual provides essential information for the safe and efficient operation of your 3000L Solar Generator and 420W Solar Panel.

### Introduction

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The DABBSSON 3000L Solar Generator is a high-capacity portable power station designed for reliable energy supply in various scenarios, from home backup to outdoor adventures. Paired with the 420W Solar Panel, it offers sustainable and efficient recharging options. This manual will guide you through its features, setup, operation, and maintenance.

Your browser does not support the video tag. Please update your browser to view this content.

Official Dabbsson 3000L Main Promotional Video. This video provides a general overview of the product's capabilities and design.

### Product Overview







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The DABBSSON 3000L is an ultra-compact and lightweight solar generator featuring a 3072Wh semi-solid LiFePO4 battery. It delivers a massive 3000W rated AC output, with P-Boost up to 3600W, and includes a 420W foldable solar panel for efficient off-grid charging.



The DABBSSON 3000L Solar Generator with its accompanying 420W Solar Panel.

## ABOUT US

 <b>173,000 sqm</b> Factory Space	 <b>160+ Countries</b> Global Reach	 <b>16+ Years</b> Manufacturer Experience	 <b>20+ Lines</b> Production Lines	 <b>80+ Patents</b> Technical Patents	 <b>50% +</b> R&D Staff
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 <b>Exhibition Event</b>	 <b>Production Line</b>	 <b>Test Equipment</b>
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The DABBSSON 3000L is designed to be one of the smallest and lightest 3kWh power stations, making it highly portable.

## Safety Instructions

Always operate or store the product in the conditions specified in this manual. The ambient conditions must comply with the requirements in the relevant international, national, or regional standards. Avoid unauthorized disassembly, component replacement, or modification of software codes. Keep this manual carefully for future reference. Read all instructions and warnings for the CHARGER-S, car battery, and power stations. Use the product in a clear, clean, and well-ventilated area. Do not attempt to install the product or perform any other operations by anyone other than authorized personnel. If the replacement of components is necessary, seek assistance from qualified technical support personnel. Do not operate the product with a damaged cord, plug, or output cable. To reduce the risk of damage to the electric plug and cord, pull the plug rather than the cord when disconnecting the product. Switch off the circuit breaker immediately in case of malfunction. Regularly inspect the product and its accessories for damage or deterioration. If the product's shell is cracked, do not use it and contact Dabbsson support or your local Dabbsson dealers. Keep children, pets, bugs, and other animals out of reach of the product. This product is designed for use with IT/AV products only. Wear goggles and protective gloves when wiring and installing. Ensure all screws are securely tightened. Make sure to match the correct positive and negative terminals. Install the product before starting the vehicle. Connect input cables to the product first, then to car battery. Ensure the product is firmly installed before use. Follow the portable power station's user manual for usage and storage guidelines when powering it.

## Setup

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### 1. What's Included

Your DABBSSON 3000L package includes:

- 1 × DABBSSON 3000L portable power station
- 1 × 420W solar panel
- 1 × AC charging cable
- 1 × car charging cable
- 1 × user manual



All components included in the DABBSSON 3000L Solar Generator package.

### 2. Charging the Power Station

The DABBSSON 3000L offers multiple charging methods:

- **AC Charging:** Recharge to 80% in just 1.5 hours with 1800W AC input.
- **Solar Charging:** Stay charged off-grid with up to 1200W solar input (MPPT supported).
- **Car Charging:** Utilize the car charging cable for convenient power on the go.
- **Intelligent Hybrid Charging:** Automatically prioritizes solar power before AC input, optimizing energy

use.

# 23.4% INDUSTRIAL-GRADE CONVERSION EFFICIENCY

More Captured Sunlight, More power



420W Solar Panel



420W-48.90V



Illustration of AC and Solar charging speeds for the DABBSSON 3000L.

# LIGHTWEIGHT & PORTABLE

Carry it Anywhere !



IP67



25.66 lb



23.23x36.6x1.97  
inches



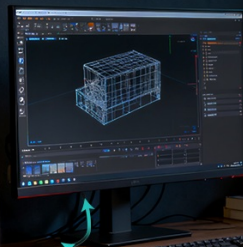
The 420W Solar Panel offers 23.4% industrial-grade conversion efficiency for effective solar charging.

## INSTANT EPS BACKUP

Switches on within 15ms to maintain PC operation seamlessly during power outages. Keep Your Data Safe.



EPS <15ms



Maximize solar energy conversion with MPPT, allowing for ultra-fast solar charging up to 1200W.



Intelligent Hybrid Charging automatically prioritizes solar power before AC input to optimize green energy usage.



Achieve up to 6X faster charging speed using the DABBSSON Charger-S for car charging.

Your browser does not support the video tag. Please update your browser to view this content.

Quick Installation Guide for Dabbsson Charger S. This video demonstrates how to install the Charger-S for car charging.

## Operating Instructions

### 1. Control Panel and Ports

The DABBSSON 3000L features a clear LCD screen and various output/input ports for versatile use.

- **Output Ports:** 6× AC outlets, 1x TT-30 for RV, 2× USB-C (100W&30W), 2× USB-A, 1× Car Port, and 1× DC5521.
- **Input Ports:** AC Charging, Solar/Car Charging.

## FISHING



Fish Finder (30W)  
**3 Days 20 Hrs**



Electric Baitcaster (75W)  
**1 Day 11 Hrs**



Camera (2000mAh)  
**373 Times**



Electric Fishing Reel (100W)  
**1 Day 2 Hrs**



Detailed view of the DABBSSON 3000L's output and input ports, along with the LCD screen and control buttons.

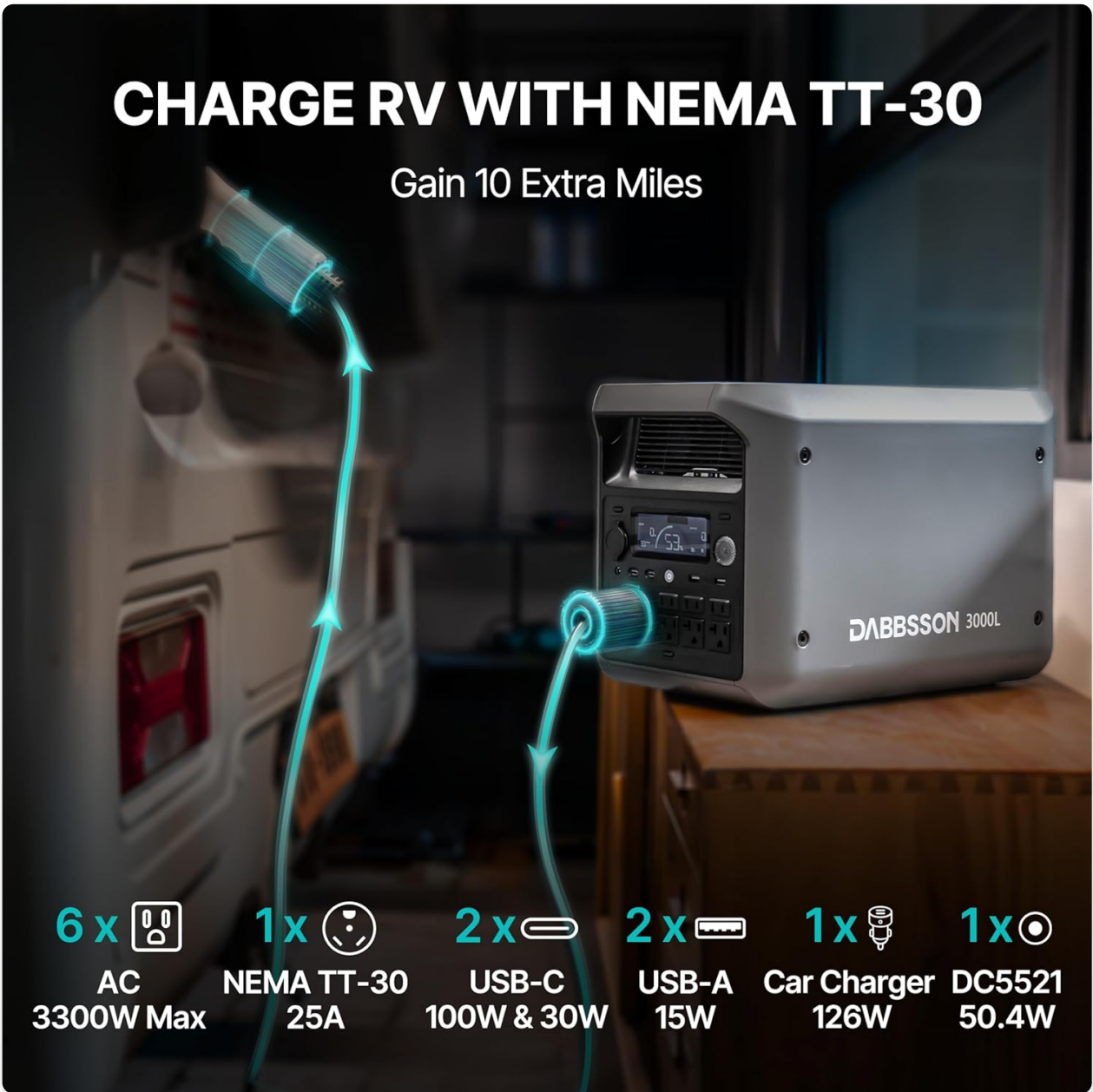
## 2. Powering Devices

With 3000W rated output and P-Boost up to 3600W, the 3000L can power up to 13 devices simultaneously.


- **RV Charging:** Use the TT-30 port for direct RV charging.
- **High-Wattage Devices:** P-Boost allows powering tools and appliances up to 3600W.
- **Extended Runtime:** Semi-solid LiFePO4 cells and AI-driven BMS provide 1.3X extended runtime.

# CHARGE RV WITH NEMA TT-30

Gain 10 Extra Miles



**6 x**   
AC  
3300W Max

**1 x**   
NEMA TT-30  
25A

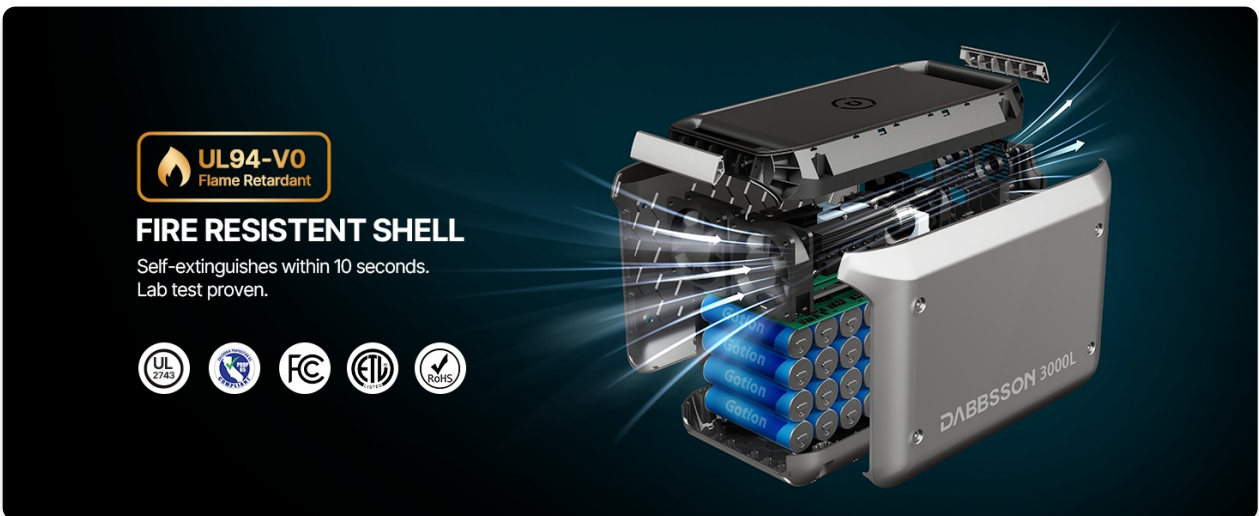
**2 x**   
USB-C  
100W & 30W

**2 x**   
USB-A  
15W

**1 x**   
Car Charger  
126W

**1 x**   
DC5521  
50.4W

The NEMA TT-30 port allows for direct and hassle-free RV charging.



 **UL94-V0**  
Flame Retardant

## FIRE RESISTANT SHELL

Self-extinguishes within 10 seconds.  
Lab test proven.



Plug directly into your RV for convenient power on the road.

# DAB-FLASH FAST CHARGING

\*charging time from 0-80%\*

AC 1800W Max.

1.5 Hrs



Solar 1200W Max.

2.7 Hrs



AC

1.5 Hrs



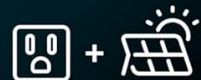
Solar

2.7 Hrs



Car Charge-S

5.2 Hrs



AC+Solar Mixed

1.5 Hrs

The P-Boost feature allows the power station to support high-wattage devices up to 3600W.

# POWER 99% ALLIANCES

3000W Output | 3072Wh Capacity



Kettle 1600W

**1.8 Hrs**



Toaster 1000W

**2.9 Hrs**



Refrigerator 90W

**2 Days**



Hair dryer 1800W

**1.6 Hrs**



Electric grill 3000W

**1 Hr**

The 3000L can power a wide range of appliances, from kettles to electric grills, for extended durations.

# 1.3X EXTENDED RUNTIME

Massive Capacity for RV Adventures

900W Portable Conditioner\*

**Ours**

**3.2 Hours**

Others

2.5 Hours

29W Mini 2 Drone\*

**Ours**

**129 Times**

Others

97 Times

\*Based on internal tests vs. average 3kWh products. Results may vary depending on usage and appliances under 1800W.

Enjoy 1.3X extended runtime, perfect for long-lasting use at home, on worksites, or outdoors.



## PEACE OF MIND PURCHASE

Reach local technical support easily by phone or email.

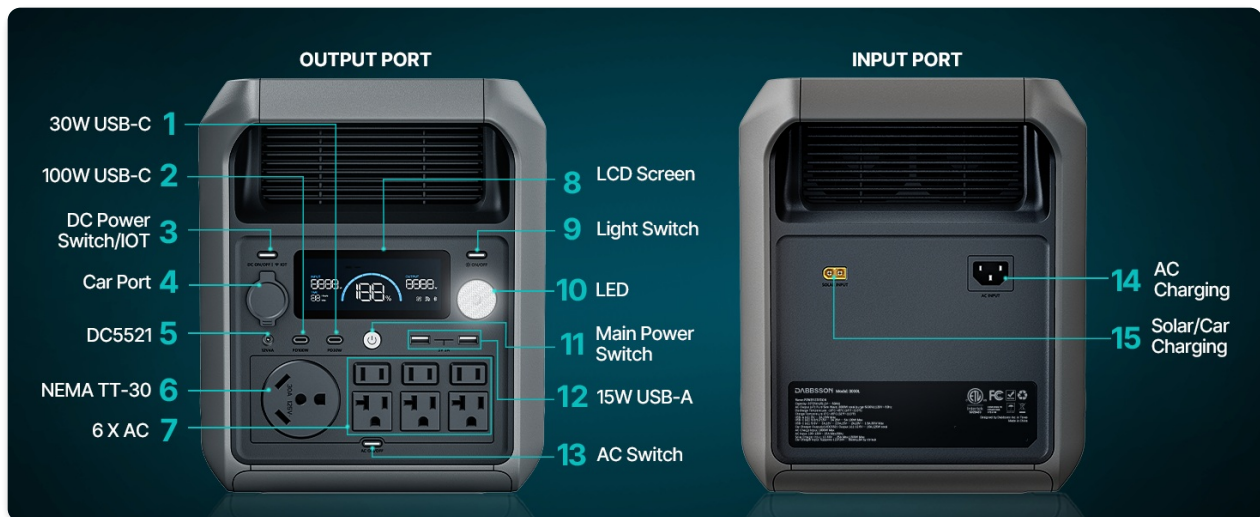


Stay off-grid longer with reliable RV power and higher energy efficiency.

### 3. Emergency Power Supply (EPS)

The DABBSSON 3000L features seamless backup with <15ms EPS switching, ideal for protecting sensitive

electronics during power outages.



The EPS feature provides instant backup power, switching in less than 15ms to keep devices running during outages.

#### 4. LED Light

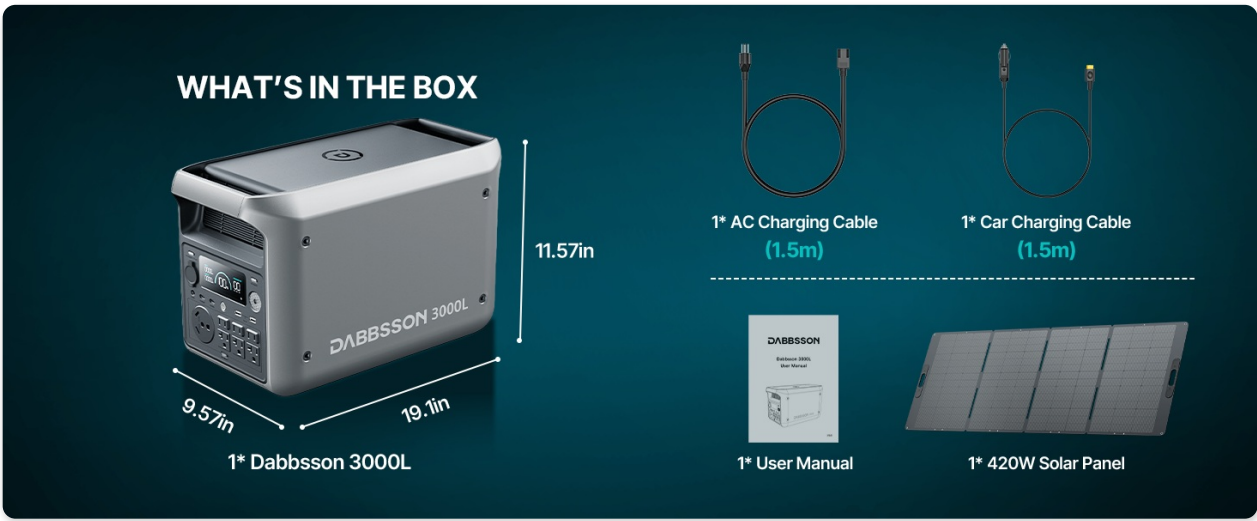
The built-in LED light offers 3 modes: Soft, Bright, and SOS, useful for night or emergencies.



The integrated LED light provides illumination with three adjustable modes for various situations.

#### 5. Smart App Control

Use the Dabbsson App (Wi-Fi/Bluetooth) to monitor power status, adjust AC charging speed, schedule off-peak charging, and more.



The Dabbsson App allows for comprehensive power management, including monitoring, scheduling, and setting limits.

## Maintenance

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### 1. Battery Care

The DABBSSON 3000L utilizes advanced semi-solid LiFePO4 cells, offering over 4000 charge cycles and 10+ years of dependable performance. To maximize battery lifespan, consider charging at slower speeds and avoiding full discharge/charge cycles when possible.



# SEMI-SOLID LIFEP04

Ultra Safe Cells

**10 Years**  
Lifespan

**4000+**  
Charge Cycles



The semi-solid LiFePO<sub>4</sub> battery ensures a long lifespan and numerous charge cycles.

## ILLUMINATE ANYWHERE

3 Modes: Soft, Bright, and SOS, ideal for night or emergencies.



EV-grade semi-solid LFP cells provide superior durability and longevity.

## 2. Safety and Protection

Advanced thermal control and 56+ layers of protection, including an AI-driven BMS, ensure top-level safety

and durability. The unit features a UL94-V0 fire-resistant design.

- Overcharge Protection
- Over-discharge Protection
- Overcurrent Protection
- Overvoltage Protection
- Over-temperature Protection
- Leakage Detection
- Grounding Protection
- Inrush / Surge Protection
- Short-circuit Protection
- Thermal Runaway Prevention



The AI-driven BMS provides comprehensive protection for the power station and connected devices.



Semi-solid LFP cells offer superior safety compared to ternary Li-ion cells, as demonstrated by needle puncture tests.

**ULTRA-FAST SOLAR CHARGING**  
 Maximizes solar energy conversion with MPPT.  
 Parallel 2×210W & 2×420W panels for 1200W solar input.

⚡ 0-80% 2.7 Hrs

**1200W Max.**

Solar Panel

Crush test results show semi-solid LFP cells remain undeformed and smokeless, ensuring safety under impact.

**UP TO 6X CHARGING SPEED**  
 0-80% 5.2Hrs with Car Charger-S

Dabbsson Charger-S 560W Max.

Car Port Charger 96W Max.

Learn More

The UL94-V0 flame retardant shell self-extinguishes within 10 seconds, providing enhanced fire safety.

## Troubleshooting

If you encounter any issues with your DABBSSON 3000L Solar Generator, please follow these general troubleshooting steps:

- Ensure all cables are securely connected to their respective ports.
- Check the LCD screen and Dabbsson App for any error messages or status indicators.
- Verify that the power draw of your devices does not exceed the rated output or P-Boost capacity.
- If the issue persists, refer to the detailed troubleshooting section in the included user manual or contact customer support.

## Specifications

Feature	Specification
Brand	Dabbsson
Model Name	3000L

Feature	Specification
Wattage	3000 watts
Fuel Type	Electric
Power Source	Battery Powered/Solar Powered
Recommended Uses	Camping, Home Backup, RV
Item Weight	56 Pounds
Voltage	120 Volts
Output Wattage (P-Boost)	3600 Watts
Special Feature	Digital Display, Smart App Control
Included Components	3000L Power Station x1, 420W Solar Panel x 1, AC charging cable, Car charging cable, User manual
Product Dimensions	19.1"L x 9.57"W x 11.6"H
Battery Type	Semi-Solid LiFePO4
Charge Cycles	4000+
Lifespan	10+ Years

## Warranty & Support

The DABBSSON 3000L Solar Generator comes with an industry-leading 5-year warranty (3 years standard + 2-year extended). For any assistance or inquiries, our customer service team is readily available.

CAMPING

-  Phone (3000mAh)  
**249 Times**
-  Laptop (60W)  
**1 Day 19 Hrs**
-  Projector (50W)  
**2 Days 4 Hrs**
-  Drone (2453mAh)  
**101 Times**



Enjoy peace of mind with a 5-year warranty and accessible technical support.

## Endorsed by

 digitaltrends

 TechCrunch

 CNET

 techradar

 Android Police

 How-To Geek

 appleinsider

 T3

Dabbsson offers reliable warranty care and 24/7 expert support for all your needs.