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Dabbsson DBS1400Pro

Dabbsson Power Station DBS 1400Pro User Manual

Model: DBS1400Pro | Brand: Dabbsson

Setup and Initial Use

What's in the Box

The DBS1400 Pro package includes: DBS1400 Pro Pure Sine Wave portable power station x1, AC charging cable x1, solar charging cable x1, car charging cable x1, and a user manual x1.



Image: DBS1400 Pro and its included accessories.

Video: Official instruction video demonstrating the unboxing and initial setup of the DBS1400 Pro power station.

Initial Charging

The DBS1400 Pro power generator features DabFlash supercharging technology, allowing it to reach 80% charge in just 32 minutes. With combined AC wall outlet and solar charging (2400W total input), it can be fully charged in less than 35 minutes.



Image: The DBS1400 Pro connected to both AC power and solar panels for rapid charging.

App Connection

Download the Dabbsson app to monitor battery status, view charging/discharging speed, schedule off-peak charging, set timers, and manage outputs. Ensure your phone's Bluetooth and Wi-Fi are enabled for connection.



Image: The Dabbsson app interface on a smartphone, highlighting energy management features.

Operating Your Power Station

Basic Controls and Display

The DBS1400 Pro features a clear display panel on the front. It includes an on/off button, a light on/off button with multiple brightness settings, and an IoT reset button for app connection. The display shows current battery level, input/output wattage, and remaining runtime.



Image: The main display and control panel of the DBS1400 Pro.

Output Ports

The power station is equipped with a variety of output ports to meet diverse needs. These include multiple USB-A

and USB-C ports (up to 100W PD), DC5521 outputs, a car power outlet, three 120V AC outlets, and a NEMA TT-30R outlet for higher wattage appliances like RVs.

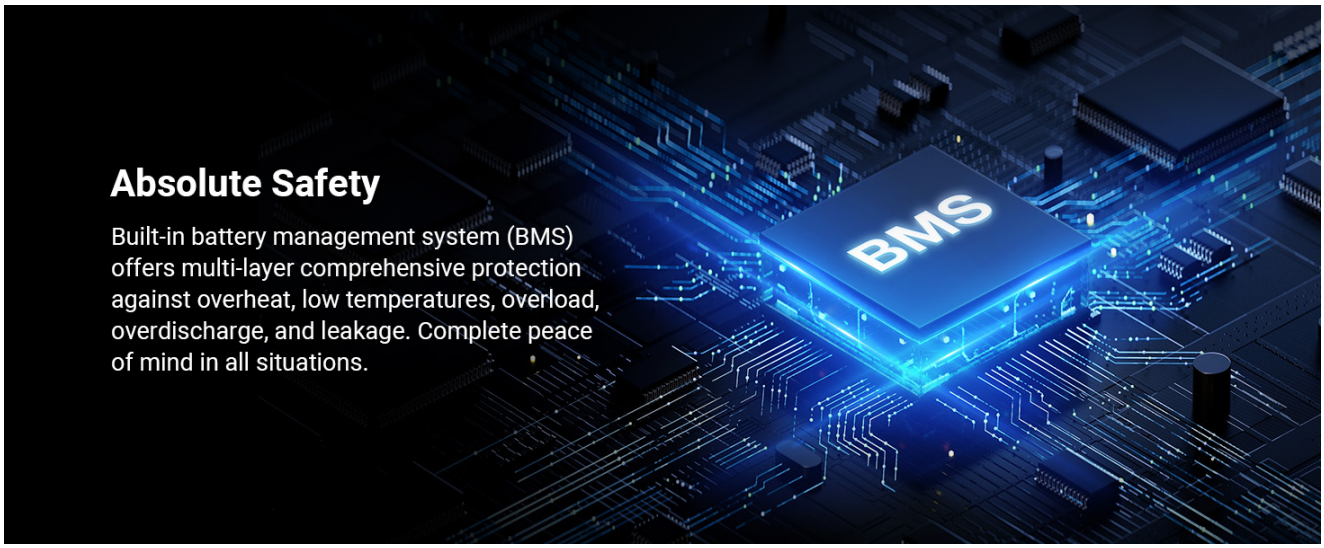


Image: Detailed view of the power station's output ports.

Powering Various Devices

With a 2400W output (3600W with P-Boost mode), the DBS1400 Pro can power a wide range of devices. It's suitable for electronics like laptops, smartphones, cameras, and drones, as well as appliances such as refrigerators, microwaves, fans, and CPAP machines. It can also handle outdoor equipment like electric grills and drills.



Image: The power station simultaneously powering various devices for outdoor use.



Image: The power station providing power for various tools in a workshop setting.



Image: The power station supporting essential home devices during a power outage.

Expandable Capacity

The DBS1400 Pro's battery capacity can be expanded from 1.3kWh up to 11.3kWh with additional expansion batteries. This allows for extended power supply, capable of running a 100W portable freezer for up to 113 hours, providing peace of mind during prolonged power outages.



Image: Visual representation of the expandable capacity of the DBS1400 Pro.



Image: Multiple DBS1400 Pro units combined for increased power and capacity.

Timer Management

Utilize the Dabbsson app to schedule charging during off-peak hours, helping to save on household electricity bills. The app allows you to set scheduled startup, shutdown, charging, and discharge times.



Image: The Dabbsson app's timer management screen.

Quiet Operation

The DBS1400 Pro is designed for whisper-quiet operation, producing less than 30dB of noise. This makes it suitable for use in homes, offices, or during camping without causing disturbance.



Image: The power station demonstrating its low noise output in a bedroom setting.

Charging the DBS1400 Pro

AC Wall Charging

The power station can be charged rapidly via an AC wall outlet. It supports up to 1800W AC charging, allowing it to reach 80% charge in approximately 42 minutes.



Image: The DBS1400 Pro being charged via a standard wall outlet.

Solar Charging

Transform your power station into a solar generator with up to 1200W solar input. This allows for eco-friendly recharging, with the unit reaching full charge in less than 35 minutes when combined with AC input, or 1.6 hours with solar only in ideal conditions.

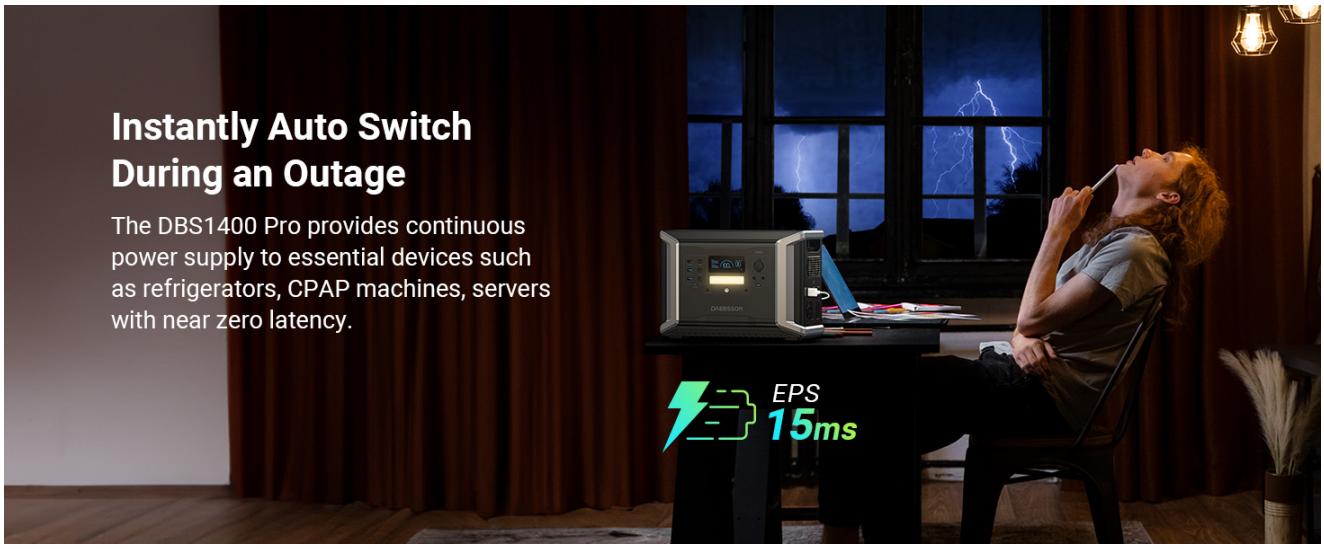


Image: The power station being charged by solar panels in an outdoor setting.

Car Charging

The DBS1400 Pro can be conveniently charged on the go using your car's power outlet. Simply plug it in and charge while you're on the road, making it ideal for road trips and emergencies.

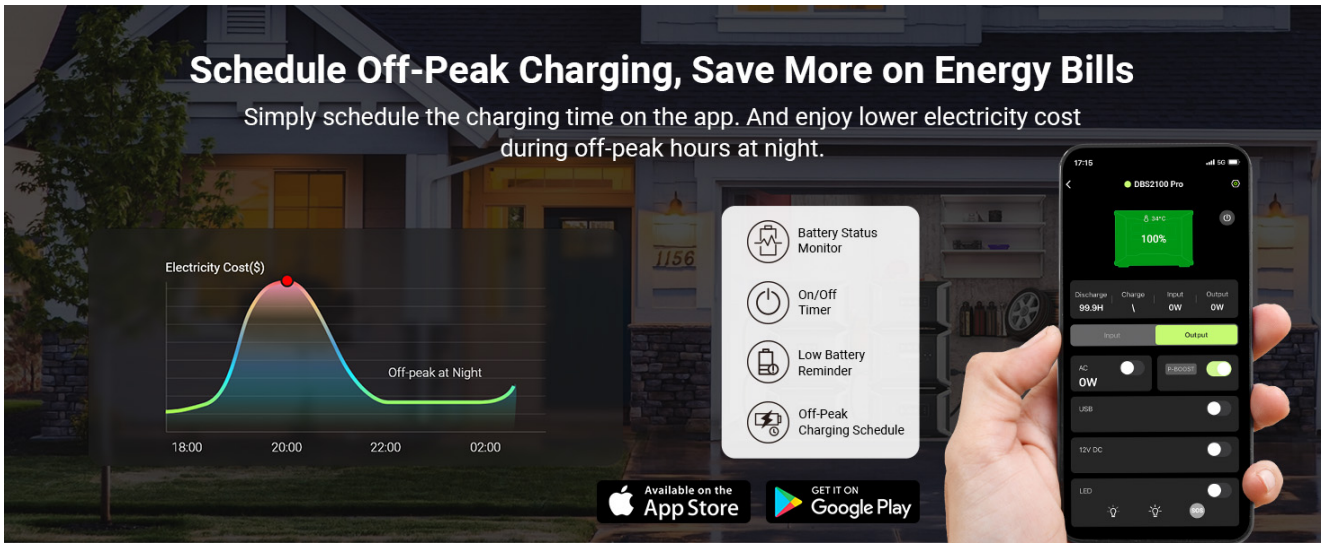


Image: The power station being charged in a car.

Fast and Slow Charging Modes

The unit offers both fast and slow charging modes for AC input, allowing users to choose based on their needs. Fast charging provides quick power, while slow charging can help preserve battery health over time. The Dabbsson app also allows for customized charging speeds.

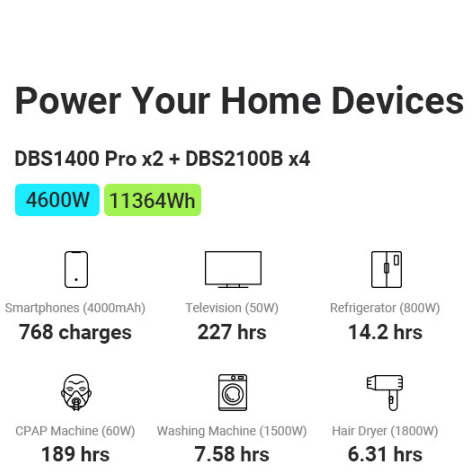




Image: The power station's input panel with options for different charging methods.

Maintenance and Care

Battery Lifespan and Technology

The DBS1400 Pro is powered by a semi-solid LiFePO4 battery, similar to those used in high-end electric vehicles. This technology ensures long-lasting reliability, maintaining 80% capacity after 4500 cycles, which is equivalent to over 15 years of use. This significantly surpasses traditional power station batteries that typically offer around 500 charge cycles.



Image: Internal view of the DBS1400 Pro highlighting its durable battery technology.



Image: Comparison of battery types, emphasizing the safety of LiFePO4.

Safety Features

A built-in Battery Management System (BMS) provides multi-layer comprehensive protection against overheating, low temperatures, overload, overdischarge, and leakage. The unit also features overload protection to ensure safe operation of connected devices.



Image: The internal BMS chip ensuring safe and reliable operation.

Troubleshooting

If the unit is not powering on, ensure it is fully charged. Check all cable connections. For app connectivity issues, ensure Bluetooth and Wi-Fi are enabled on your device and try resetting the IoT button on the power station. If problems persist, refer to the full user manual or contact customer support.

Technical Specifications

Feature	Specification
Brand	Dabbsson
Model Name	DBS1400Pro
Wattage	2400 watts
Output Wattage (P-Boost)	3600 watts
Voltage	120 Volts
Fuel Type	Electric
Power Source	Solar Powered
Item Weight	45 pounds
Product Dimensions	17"L x 10"W x 11.9"H
Special Feature	Overload Protection
Battery Type	Semi-solid LiFePO4
Cycle Life	4500 cycles to 80% capacity
AC Charging Input	1800W Max

Solar Input	1200W Max
NEMA TT-30R Outlet	Yes

Warranty and Customer Support

Enjoy a 5-year quality service, 24/7 support, and lifetime technical help for your Dabbsson Power Station DBS1400 Pro. If you have any inquiries, do not hesitate to reach out to our support team.

For more information and support, visit the official Dabbsson Store.

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