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› PowerSmart 40V Power Inverter (Model DB9801) Instruction Manual

PowerSmart DB9801

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Model: DB9801

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your PowerSmart 40V Power Inverter. Please read and understand all instructions before use to ensure proper functionality and to prevent injury or damage. This inverter is designed to convert 40V DC battery power into 120V AC household power, along with USB-A and USB-C outputs, for various portable power needs.

2. IMPORTANT SAFETY INSTRUCTIONS

- Read all instructions: Before operating the power inverter, carefully read and understand all safety warnings and operating instructions in this manual.
- Keep dry: Do not expose the inverter or battery to rain, moisture, or wet conditions. Water entering the inverter will increase the risk of electric shock.
- Proper ventilation: Ensure adequate ventilation around the inverter during operation to prevent overheating. Do not block ventilation openings.
- Avoid overloading: Do not connect devices that exceed the inverter's rated output wattage. Overloading can damage the inverter and connected devices.
- Use specified batteries and chargers: Only use PowerSmart 40V batteries and the included PowerSmart 40V charger with this product. Using incompatible components may result in fire, electric shock, or injury.
- Keep children away: This product is not a toy. Keep it out of reach of children and untrained individuals.
- Disconnect battery when not in use: Always remove the battery from the inverter when not in use or before performing any maintenance.
- Inspect for damage: Before each use, inspect the inverter, battery, and charger for any signs of damage. Do not use if damaged.

3. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 1x PowerSmart 40V Power Inverter

- 1x PowerSmart 40V, 4.0Ah Lithium-Ion Battery
- 1x PowerSmart 40V Battery Charger



This image shows the PowerSmart 40V Power Inverter along with the included 4.0Ah battery and charger, illustrating the complete package contents.

4. PRODUCT OVERVIEW

The PowerSmart 40V Power Inverter is designed for portability and versatility, offering multiple power outputs for various electronic devices.

Key Components:

- **120V AC Outlet:** Provides standard household power for small appliances.
- **USB-C Port:** For charging compatible USB-C devices.
- **USB-A Port:** For charging compatible USB-A devices.
- **Battery Slots:** Accommodates one or two PowerSmart 40V batteries.
- **Power Button:** Activates and deactivates the inverter.
- **Indicator Lights:** Display power status and battery charge level.

300W RATED POWER



**INCLUDED: 1x 4.0Ah Battery of PowerSmart 40V Power Tools SYSTEM
1x 40V Battery Charger**



This image illustrates the various output ports available on the PowerSmart 40V Power Inverter, including the 120V AC outlet, USB-C port, and USB-A port, along with examples of devices they can power.

5. SETUP

5.1. Installing the Battery

1. Ensure the power inverter is turned off before installing or removing the battery.
2. Align the PowerSmart 40V battery with the battery slot(s) on the inverter.
3. Slide the battery into the slot until it clicks securely into place.
4. To remove the battery, press the battery release button (if present) and slide the battery out.

5.2. Charging the Battery

Use the included PowerSmart 40V Battery Charger to charge the 4.0Ah battery.

1. Plug the charger into a standard 120V AC wall outlet.
2. Insert the 40V battery into the charger.
3. The charger's indicator light will show the charging status. A 4.0Ah battery typically charges in approximately 150 minutes.
4. Remove the battery once fully charged.



This image displays the PowerSmart 40V battery charger and a 4.0Ah lithium-ion battery, highlighting the charging process which takes about 150 minutes for a full charge.

6. OPERATING THE POWER INVERTER

6.1. Powering On/Off

1. With a charged battery (or batteries) installed, press the power button on the inverter to turn it on. An indicator light will illuminate.
2. To turn off the inverter, press the power button again.

6.2. Connecting Devices

The inverter provides clean pure sine wave power, making it suitable for sensitive electronics.

- **120V AC Outlet:** Plug in devices requiring standard household power, such as small appliances, laptops, or lights. Do not exceed the inverter's rated wattage. With one 40V battery, the output is approximately 150W. With two 40V batteries, the output is 300W.
- **USB-C Port:** Connect compatible USB-C devices for charging.
- **USB-A Port:** Connect compatible USB-A devices for charging.



This image shows the PowerSmart 40V Power Inverter in an outdoor setting, connected to and powering various digital devices like a laptop, game controllers, and a smartphone, demonstrating its portable utility.

OUTPUTS SUPPORT MORE DIGITAL DEVICES



EMERGENCY
BACKUP



TAILGATING



JOB SITE



CAMPING



WORK SITES



ROAD TRIP



RV WORK



SHOOT



This image demonstrates the PowerSmart 40V Power Inverter successfully powering a small Buddha fountain and a decorative train, showcasing its ability to run low-wattage household items.

7. MAINTENANCE

7.1. Care and Storage

- Keep the inverter and battery clean and dry. Use a soft, damp cloth for cleaning.
- Store the inverter and battery in a cool, dry place away from direct sunlight, extreme temperatures, and corrosive materials.
- Do not expose the inverter to rain or moisture.
- Regularly inspect the inverter and battery for any signs of damage, such as cracks, frayed wires, or loose connections. Do not use if damaged.
- For long-term storage, ensure batteries are partially charged (around 50%) to prolong their lifespan.

8. TROUBLESHOOTING

8.1. Common Issues and Solutions

| Problem | Possible Cause | Solution |
|---------|----------------|----------|
|---------|----------------|----------|

| Problem | Possible Cause | Solution |
|---------------------------------------|--|---|
| Inverter not turning on | Battery not installed correctly or discharged | Ensure the battery is fully seated in the slot(s) and is adequately charged. |
| Device not powering on from AC outlet | Device exceeds inverter's wattage limit or is incompatible | Check the device's wattage. The inverter provides 150W with one 40V battery and 300W with two 40V batteries. Ensure the device's power requirement is within these limits. |
| USB ports not charging devices | Inverter not powered on or device incompatibility | Ensure the inverter is turned on. Verify the USB cable and device are compatible. |
| Battery charger indicator not working | Charger not plugged in or faulty battery/charger | Verify the charger is securely plugged into a live wall outlet. Try a different PowerSmart 40V battery if available. If the issue persists, the charger or battery may be faulty. |

8.2. Important Note on Battery Quantity and Output

The PowerSmart 40V Power Inverter is designed to operate with one or two 40V batteries. While the inverter can support a maximum output of 300W, this capacity is achieved only when two PowerSmart 40V, 4.0Ah batteries are installed. The package for this specific product (Model DB9801) includes **only one 40V, 4.0Ah battery**. Therefore, when operating with the single included battery, the inverter's maximum output will be approximately 150W. To achieve the full 300W output, a second PowerSmart 40V battery must be purchased separately.

9. SPECIFICATIONS

| Feature | Specification |
|--------------------------------------|---------------------------------------|
| Brand | PowerSmart |
| Model Number | DB9801 |
| Item Weight | 4.34 Kilograms (approx. 9.57 lbs) |
| Output Voltage | 120 Volts AC |
| Input Voltage (Charger) | 120 Volts AC |
| Connector Types | 1x 120V AC Outlet, 1x USB-C, 1x USB-A |
| Number of Ports | 3 |
| Rated Power (with one 40V battery) | 150W |
| Rated Power (with two 40V batteries) | 300W |
| Battery Included | 1x 40V, 4.0Ah Lithium-Ion Battery |
| Charger Included | 1x 40V Battery Charger |
| Power Type | Pure Sine Wave |

10. WARRANTY AND SUPPORT

10.1. Warranty Information

For detailed warranty terms and conditions, please refer to the warranty documentation provided with your original purchase. Keep your proof of purchase for any warranty claims.

10.2. Customer Support

If you encounter any issues, have questions regarding the operation, maintenance, or troubleshooting of your PowerSmart 40V Power Inverter, please contact PowerSmart customer service for assistance. Contact information can typically be found on the product packaging or the official PowerSmart website.