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Greenworks INF701

Greenworks 40V 500W Portable Power Inverter

Model: INF701

Instruction Manual

1. INTRODUCTION

The Greenworks 40V 500W Portable Power Inverter (Model INF701) is designed to provide reliable AC and DC power for various devices, utilizing Greenworks 40V lithium-ion batteries. This inverter features a 4-slot design, two AC outlets, and five USB ports, making it suitable for both indoor backup and outdoor power needs. It also includes smart app control for convenient monitoring and operation.



Image 1.1: The Greenworks 40V 500W Portable Power Inverter demonstrating compatibility with various Greenworks 40V batteries, highlighting ultimate battery flexibility.

2. SAFETY INFORMATION

Read all safety warnings and instructions before operating this product. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury.

- **Electrical Safety:** Do not expose the inverter to rain or wet conditions. Water entering the inverter will increase the risk of electric shock.
- **Battery Safety:** Use only Greenworks 40V lithium-ion batteries. Do not attempt to open or modify the

battery pack. Do not short-circuit the battery terminals.

- **Ventilation:** Ensure adequate ventilation around the inverter during operation to prevent overheating. Do not block ventilation openings.
- **Overload Protection:** Do not exceed the rated output power of the inverter (500W AC). Overloading can damage the inverter and connected devices.
- **Children and Pets:** Keep the inverter and batteries out of reach of children and pets.



Image 2.1: The inverter features a built-in Battery Management System (BMS) providing 12 advanced protections for connected devices and the inverter itself.

3. PACKAGE CONTENTS

Upon opening the package, verify that all items are present and undamaged:

- Greenworks 40V 500W Portable Power Inverter (4-Slot Inverter)
- Instruction Manual

Note: Batteries are included with this specific model (4 x 4Ah batteries).

4. PRODUCT FEATURES

The Greenworks 40V 500W Portable Power Inverter offers several key features for versatile power delivery:

- **40V Lithium-Ion Battery Platform:** Compatible with Greenworks 40V batteries, powering over 75 indoor and outdoor tools.
- **Large Battery Power Supply:** Capable of supporting various devices for extended periods (e.g., Mini Fridge for 25 hours, TV for 9.5 hours, Game Console for 62 hours with 4 x 8.0Ah batteries).
- **Various Power Outlet Ports:** Includes 2 x 500W AC Outlets, 2 x 30W USB-A Ports, and 3 x 65W USB-C Ports.
- **Multifunctional LCD Display:** Provides real-time information on battery capacity, output/input status, and estimated recharge time.
- **Advanced Battery Management System (BMS):** Ensures constant voltage delivery with protections against short circuit, over temperature, over power, and over voltage.

5. SETUP

5.1 Inserting and Removing Batteries

1. Align the battery with the battery slot on the inverter.
2. Slide the battery into the slot until it clicks securely into place.
3. To remove, press the battery release button and slide the battery out.

5.2 Initial Charging

Before first use, ensure all batteries are fully charged. The inverter supports multiple charging methods:

- **Wall Outlet:** Connect the inverter to a standard wall outlet using an appropriate charger (not included). A single 40V 4.0Ah battery can recharge in approximately 1.2 hours.
- **Solar Panel:** Connect a compatible 100W solar panel (not included) to the inverter. A single 40V 4.0Ah battery can recharge in approximately 1.6 hours.
- **Greenworks 40V 4A Charger:** Use a dedicated Greenworks 40V 4A charger (not included) for optimal charging. A single 40V 4.0Ah battery can recharge in approximately 1.0 hour.



Image 5.1: Various methods for recharging Greenworks 40V batteries, including wall outlet, solar panel, and a dedicated Greenworks charger.

6. OPERATING INSTRUCTIONS

6.1 Powering On/Off

Press and hold the power button on the inverter to turn it on or off. The LCD display will illuminate when the unit is powered on.

6.2 Using AC Outlets

The inverter provides two 500W AC outlets. Plug your AC-powered devices into these outlets. Ensure the total power consumption of connected devices does not exceed 500W.

6.3 Using USB Ports

The inverter features two 30W USB-A ports and three 65W USB-C ports. Connect your USB-powered devices for charging. These ports are suitable for smartphones, tablets, and other compatible electronic accessories.



Image 6.1: The inverter's front panel showing the arrangement of its 7 power output ports.

6.4 Understanding the LCD Display

The multifunctional LCD screen displays critical information:

- **Battery Capacity:** Shows the remaining charge level of the inserted batteries.
- **Output/Input Information:** Indicates current power draw (output) or charging status (input).
- **Recharge Estimated Time:** Provides an estimate of the time remaining for a full recharge.

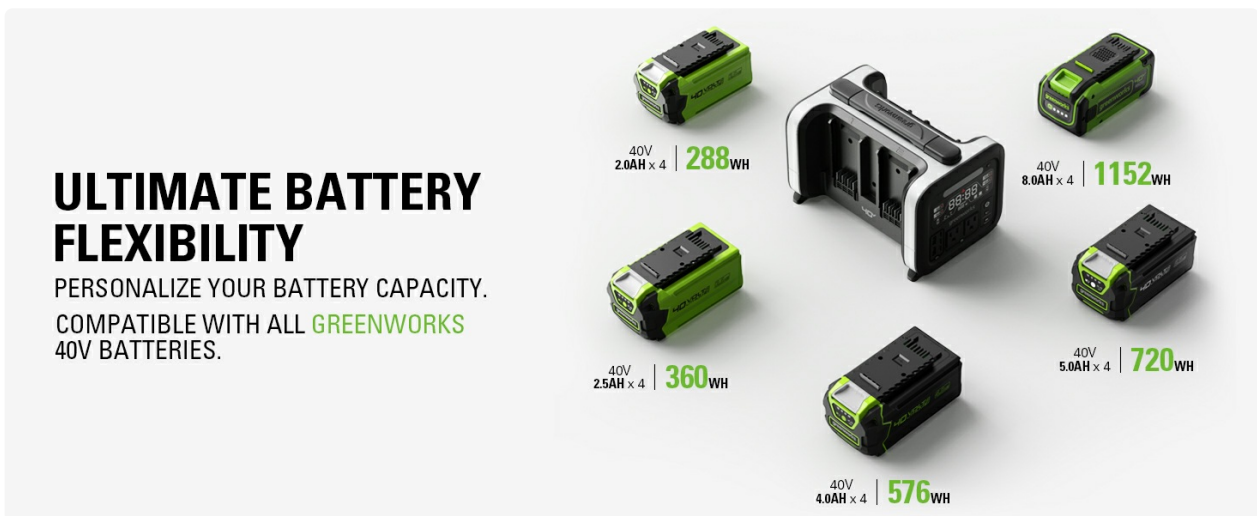


Image 6.2: The smart LCD display provides real-time operational data.

6.5 Smart App Control

The inverter can be monitored and controlled remotely using the Greenworks Smartg Home App. Download the app from your device's app store and follow the in-app instructions for pairing. The app provides:

- Remote monitoring and control.
- Access to support resources.
- Low-battery notifications.



QUIET CHARGING

GIVING YOU PEACE AND POWER ALL AT ONCE

Image 6.3: The Smartg Home App allows for convenient remote control and monitoring of the inverter.

6.6 Usage Examples

The inverter is suitable for various applications, including home backup and outdoor power needs:

- **Home Backup:** Power essential appliances like mini-fridges, TVs, or heated blankets during outages.
- **Outdoor Use:** Charge laptops, phones, or power small appliances like coffee makers and ice makers while camping or working outdoors.








THE SMARTg HOME APP FOR SMART CONTROL

- MONITOR AND CONTROL REMOTELY
- GET HELP VIA SUPPORT TEAM
- LOW-BATTERY NOTIFICATION

Image 6.4: The inverter providing home backup power, illustrating run times for common appliances.



TAKE POWER OUTDOORS

		
Coffee Maker (400W)	Heating Mug (100W)	Ice Maker (160W)
1.2 Hours	4.8 Hours	3.0 Hours
		
Lantern (10W)	Drone (40Wh)	Digital Camera (15Wh)
48 Hours	12 Charges	32 Charges

NOTE: WITH 4 FULLY CHARGED GREENWORKS 40V 4.0AH BATTERIES.

Image 6.5: The inverter in an outdoor setting, powering various devices like a coffee maker, laptop, and charging drones.

7. MAINTENANCE

7.1 Cleaning

Regularly clean the exterior of the inverter with a soft, dry cloth. Do not use abrasive cleaners or solvents. Ensure ventilation openings are free from dust and debris.

7.2 Battery Storage

When storing batteries for extended periods, ensure they are partially charged (around 50%) and stored in a cool, dry place away from direct sunlight and extreme temperatures. Fully discharge and recharge batteries every few months to maintain optimal performance.

8. TROUBLESHOOTING

If you encounter issues with your Greenworks 40V 500W Portable Power Inverter, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No power output	Batteries not inserted correctly or discharged. Inverter not powered on.	Ensure batteries are fully charged and securely inserted. Press and hold the power button to turn on the inverter.
Overload warning on LCD	Connected devices exceed the 500W AC output limit.	Disconnect some devices to reduce the load. Ensure total power consumption is below 500W.
Over-temperature warning	Inverter is overheating due to poor ventilation or high ambient temperature.	Move the inverter to a cooler, well-ventilated area. Ensure ventilation openings are clear. Allow the unit to cool down.
USB ports not charging	Device not compatible or cable faulty.	Try a different USB cable or device. Ensure the inverter is powered on.

9. SPECIFICATIONS

Specification	Detail
Model Number	INF701
Product Dimensions	6.69 x 6.29 x 10.62 inches
Item Weight	18.74 pounds
Input Voltage	40V DC (from Greenworks batteries)
AC Output Power	500W (Max)
AC Outlets	2
USB-A Ports	2 (30W Max per port)

Specification	Detail
USB-C Ports	3 (65W Max per port)
Battery Type	Lithium Ion (4 required, included)
Recommended Use	Residential

10. WARRANTY INFORMATION

The Greenworks 40V 500W Portable Power Inverter comes with a **3-year tool and battery warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims. For specific terms and conditions, refer to the official Greenworks warranty policy or contact customer support.

11. SUPPORT

For further assistance, technical support, or to inquire about replacement parts, please contact Greenworks customer service. You can also visit the official Greenworks store for more product information and resources.

[Visit the Greenworks Store](#)