

RYOBI OP401

RYOBI OP401 40V Lithium-Ion Battery Charger Instruction Manual

Model: OP401

1. INTRODUCTION

This manual provides essential instructions for the safe operation, maintenance, and troubleshooting of your RYOBI OP401 40V Lithium-Ion Battery Charger. Please read this manual thoroughly before using the charger to ensure proper function and to prevent injury or damage.

Product Features:

- Designed for use with RYOBI 40V Lithium-Ion batteries only.
- Incorporates battery protection technology for optimal charging and battery longevity.

2. SAFETY INFORMATION

WARNING: To reduce the risk of fire, electric shock, or personal injury, always follow these safety precautions when using the battery charger.

- Read all instructions before using the battery charger.
- Do not charge any battery other than RYOBI 40V Lithium-Ion battery packs. Other types of batteries may burst, causing personal injury and damage.
- Do not expose the charger to rain or wet conditions. Water entering the charger will increase the risk of electric shock.
- Use only RYOBI recommended accessories. Use of any other accessory may result in a risk of fire, electric shock, or injury.
- Do not abuse the cord or charger. Never use the cord to carry the charger or pull the plug from an outlet.
- Unplug the charger from the outlet before attempting any maintenance or cleaning.
- Do not operate the charger if it has received a sharp blow, been dropped, or otherwise damaged. Take it to a qualified service person.
- Do not disassemble the charger. Take it to a qualified service person when service or repair is required. Incorrect reassembly may result in a risk of electric shock or fire.
- Do not charge battery in a damp or wet location.
- Do not use the charger outdoors.



Figure 1: RYOBI OP401 40V Battery Charger. Note the warning label on the charger, emphasizing the importance of using only RYOBI 40V batteries and avoiding exposure to moisture.

3. PRODUCT OVERVIEW

The RYOBI OP401 charger is designed to efficiently charge your RYOBI 40V Lithium-Ion battery packs. Familiarize yourself with its components for proper use.



Figure 2: Top view of the RYOBI OP401 charger, highlighting the battery insertion slot and the status indicator lights. The indicator lights provide feedback on the charging status and any potential issues.

Key Components:

- **Battery Slot:** Where the 40V battery pack is inserted for charging.
- **Power Cord:** Connects the charger to a standard electrical outlet.
- **Indicator Lights:** Provide visual feedback on the charging status, battery condition, and potential errors. (Refer to Section 4.2 for detailed explanation).

4. SETUP AND OPERATION

4.1 Initial Setup

1. **Unpack:** Carefully remove the charger from its packaging. Inspect for any damage.
2. **Placement:** Place the charger on a flat, stable, non-flammable surface in a well-ventilated area. Ensure it is away from direct sunlight, heat sources, and moisture.
3. **Connect Power:** Plug the charger's power cord into a standard 120V AC electrical outlet. The "Power On" indicator light (usually green) should illuminate, indicating the charger is ready.

4.2 Operating Instructions

1. **Insert Battery:** Align the RYOBI 40V Lithium-Ion battery pack with the charger's slot and slide it in until it clicks securely into place.
2. **Monitor Charging:** The charger's indicator lights will provide feedback on the charging status:
 - **Solid Green (Power On):** Charger is plugged in and ready.
 - **Flashing Green (Charging):** Battery is actively charging.
 - **Solid Green (Fully Charged):** Battery charging is complete.
 - **Flashing Red (Defective Battery/Temperature Error):** Indicates a problem with the battery or that the battery/charger temperature is outside the optimal range. Remove the battery and allow it to cool or warm up before reattempting. If the issue persists, the battery may be defective.
3. **Remove Battery:** Once fully charged (solid green light), press the battery release latch (if present) and slide the battery out of the charger.
4. **Unplug Charger:** For extended periods of non-use, unplug the charger from the power outlet.

5. MAINTENANCE

Proper maintenance ensures the longevity and safe operation of your charger.

- **Cleaning:** Disconnect the charger from the power supply. Use a clean, dry cloth to wipe dust and debris from the charger's exterior. Do not use solvents or harsh chemicals.
- **Storage:** Store the charger in a cool, dry place, away from direct sunlight and moisture. Keep it out of reach of children.
- **Cord Inspection:** Regularly inspect the power cord for any signs of damage, such as cuts, fraying, or exposed wires. If damaged, have it replaced by a qualified service technician.

6. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Charger not powering on (no lights).	No power to the outlet; charger unplugged; faulty outlet.	Check if the charger is securely plugged into a working outlet. Test the outlet with another device.
Battery not charging (flashing red light).	Battery too hot/cold; defective battery; poor connection.	Remove battery, allow it to reach room temperature (68°F - 75°F or 20°C - 24°C). Reinsert the battery firmly. If issue persists, the battery may be faulty.
Charger appears dead after some use.	Internal reset required; temporary electronic glitch.	Unplug the charger from the wall outlet for at least 2-3 hours. This can sometimes reset internal electronics. Replug and attempt to charge.
Slow charging.	Battery condition; environmental factors.	Ensure the battery and charger are at optimal room temperature. Older batteries may charge slower.

7. SPECIFICATIONS

- **Model:** OP401 (Part Number: 140199003)
- **Input Voltage:** 120V AC (Standard Household)
- **Output Voltage:** 40 Volts DC

- **Compatible Batteries:** RYOBI 40V Lithium-Ion Battery Packs
- **Material:** Plastic
- **Item Weight:** Approximately 1.06 pounds
- **Product Dimensions:** Approximately 7.13 x 7.25 x 2.75 inches

8. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the documentation included with your original product purchase or visit the official RYOBI website. Keep your purchase receipt as proof of purchase for warranty claims.

Manufacturer: Ry-obi

For further assistance, contact RYOBI customer service.