RYOBI OP40201

Ryobi 2Ah 40V Lithium-Ion Compact Battery

User Manual - Model OP40201

Introduction

This manual provides essential information for the safe and effective use of your Ryobi 2Ah 40V Lithium-Ion Compact Battery (Model OP40201). This high-capacity battery is designed to power your Ryobi 40-Volt tools, offering fade-free power and extended run time. Please read this manual thoroughly before initial use and retain it for future reference.

Safety Information

Always prioritize safety when handling and operating power tool batteries. Failure to follow these instructions may result in electric shock, fire, and/or serious injury.

- Do not disassemble, open, or shred battery pack.
- Do not expose battery pack to heat or fire. Avoid storage in direct sunlight.
- Do not short-circuit a battery pack.
- Do not subject battery pack to mechanical shock.
- In the event of battery leakage, do not allow the liquid to come into contact with the skin or eyes. If contact has been made, wash the affected area with copious amounts of water and seek medical advice.
- Keep battery pack clean and dry.
- Only charge with the charger specified by Ryobi.
- Do not use any charger other than that specifically provided for use with the equipment.
- Do not use any battery pack which is not designed for use with the equipment.
- Keep battery pack out of the reach of children.

Setup

Initial Charging

Before first use, fully charge the battery. Use a compatible Ryobi 40-Volt charger. A full charge can be achieved in less than 2 hours.
To charge, slide the battery pack onto the charger until it clicks into place. The charger's indicator lights will show the

charging status. Once fully charged, remove the battery from the charger.

Installing the Battery

Align the battery pack with the battery port on your Ryobi 40-Volt tool. Slide the battery into the tool until it securely latches. Ensure it is firmly seated to prevent accidental dislodgement during operation.



Image: The Ryobi 40V Lithium-Ion battery (Model OP40201) securely installed in a Ryobi power tool, demonstrating proper fit and the visible charge indicator.

Operating the Battery

Checking Battery Charge

The Ryobi 2Ah 40V Lithium-Ion Compact Battery features an on-board fuel gauge. Press the button on the battery to activate the LED indicators, which will display the remaining charge level. Four lights indicate a full charge, while fewer lights indicate a lower charge.



Image: A close-up view of the Ryobi 40V Lithium-Ion battery (Model OP40201), highlighting the 2Ah capacity and the integrated fuel gauge for convenient battery level monitoring.

Usage Guidelines

This battery provides fade-free power throughout its discharge cycle, ensuring consistent performance for your tools. For optimal tool performance and battery longevity, avoid completely draining the battery before recharging. It is recommended to recharge the battery when the fuel gauge indicates a low charge.

Maintenance

Charging Procedures

Always use the specified Ryobi 40-Volt charger. Do not attempt to charge the battery with any other charger. Charge the battery in a well-ventilated area, away from flammable materials. Disconnect the charger from the power source when not in use.

Storage

Store the battery in a cool, dry place, away from direct sunlight and extreme temperatures. For long-term storage, it is recommended to store the battery with a partial charge (around 50%) to maintain battery health. Avoid storing fully charged or fully discharged batteries for extended periods.

Cleaning

Keep the battery contacts clean. Use a clean, dry cloth to wipe off any dust or debris. Do not use liquids or harsh chemicals for cleaning.

Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Battery not charging.	Charger not plugged in; faulty charger; battery too hot/cold.	Ensure charger is properly connected. Try a different outlet. Allow battery to reach room temperature before charging. If problem persists, charger may be faulty.
Tool not powering on with battery.	Battery not fully charged; battery not properly seated; tool malfunction.	Check battery charge level and recharge if necessary. Re-insert battery firmly into the tool. Test with another battery if available. Consult tool's manual for troubleshooting.
Reduced run time.	Battery nearing end of life; extreme operating conditions.	Battery capacity naturally decreases over time. Ensure proper charging and storage. Avoid operating in extremely hot or cold conditions. Consider replacing the battery if performance significantly degrades.

Specifications

- **Brand:** RYOBI
- **Model Number:** OP40201 (also known as #OP4020A)
- **Battery Type:** Lithium Ion
- **Voltage:** 40-Volt
- **Capacity:** 2.0 Amp Hours (2Ah)
- **Charging Time:** Less than 2 hours (with compatible 40-Volt Charger)
- **Features:** On-board Fuel Gauge, Fade-free power, Increased run time
- **Item Weight:** 2.03 pounds
- **Package Dimensions:** 7.13 x 6.93 x 2.68 inches

Warranty and Support

For information regarding product warranty, please refer to the warranty card included with your purchase or visit the official RYOBI website. For technical support, replacement parts, or service inquiries, please contact RYOBI customer service through their official channels.
Official Website: www.ryobitools.com

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