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RYOBI RC18120-140

RYOBI 18V ONE+ Lithium Battery and Fast Charger Instruction Manual

Model: RC18120-140 / 5133003360

1. Product Overview

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your RYOBI 18V ONE+ Lithium Battery and Fast Charger. This product is designed to power a wide range of RYOBI 18V ONE+ DIY and gardening tools.



Figure 1.1: RYOBI 18V ONE+ Lithium Battery and Fast Charger (RC18120-140)

The RYOBI 18V ONE+ system allows you to use the same 18V battery across more than 200 compatible tools, offering versatility and cost-effectiveness. The included fast charger ensures your battery is ready for use quickly.

2. Safety Information

WARNING: Read all safety warnings, instructions, illustrations, and specifications provided with this power tool battery and charger. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious injury.

2.1 General Safety Precautions

- Always use the correct charger for the battery. Using an incompatible charger can lead to fire or explosion.
- Do not charge batteries in damp or wet locations.
- Do not expose batteries or chargers to rain or wet conditions. Water entering a battery or charger will increase the risk of electric shock or fire.
- Do not incinerate the battery, even if it is severely damaged or completely worn out. The battery can explode in a fire.
- Do not short-circuit a battery.
- Do not store the battery where the temperature may reach or exceed 50°C (122°F).
- Do not disassemble, open, or shred battery cells or packs.
- Keep batteries out of reach of children.
- Dispose of used batteries properly according to local regulations.

2.2 Charger Specific Safety

- This charger is designed for charging RYOBI 18V ONE+ Lithium-ion batteries only. Do not attempt to charge other types of batteries.
- Ensure the charger is connected to a power supply with the correct voltage as indicated on the charger label.
- Unplug the charger from the power supply when not in use or before cleaning.
- Do not operate the charger if it has received a sharp blow, been dropped, or otherwise damaged.

3. Package Contents

Verify that all items listed below are included in your package. If any items are missing or damaged, contact your retailer or RYOBI customer service.

- 1 x RYOBI 18V ONE+ 4.0Ah Lithium-ion Battery (Model: P108 or similar, compatible with RC18120-140 kit)
- 1 x RYOBI 18V ONE+ Fast Charger (Model: RC18120 or similar, compatible with RC18120-140 kit)
- 1 x Instruction Manual (This document)



Figure 3.1: RYOBI 18V ONE+ 4.0Ah Lithium Battery (left) and Fast Charger (right)

The 4.0Ah Lithium-ion battery provides extended runtime for your tools, while the fast charger ensures minimal downtime.

4. Setup

4.1 Initial Battery Charge

Before first use, it is recommended to fully charge the battery.

1. Plug the charger into a standard electrical outlet. The charger's indicator lights may briefly illuminate.
2. Align the battery with the charging port on the charger. Ensure the battery slides in smoothly until it clicks into place.
3. The charger's indicator lights will show the charging status. For this fast charger, there are 4 LEDs, each representing 25% of the charge. They will illuminate progressively as the battery charges.
4. Once all 4 LEDs are steadily lit, the battery is fully charged. This typically takes approximately 120 minutes (2 hours) for a 4.0Ah battery.
5. Remove the battery from the charger by pressing the release latches (if present) and sliding it out.



Figure 4.1: Close-up of the RYOBI Fast Charger showing indicator lights.

The IntelliPort Charging System on the charger helps optimize battery life by preventing overcharging and overheating.

5. Operating Instructions

5.1 Charging the Battery

Refer to Section 4.1 for detailed battery charging instructions. Always ensure the battery is securely seated in the charger.

5.2 Using the Battery with RYOBI ONE+ Tools

The 18V ONE+ battery is designed for seamless integration with all RYOBI 18V ONE+ tools.

1. Ensure the tool is turned off and disconnected from any power source before inserting or removing the battery.
2. Align the battery with the battery port on your RYOBI ONE+ tool.
3. Slide the battery into the tool until it clicks securely into place. A firm click indicates proper connection.
4. To remove the battery, press the battery release button(s) on the tool and slide the battery out.

The battery features IntelliCell Technology, which provides a charge level indicator directly on the battery, allowing you to monitor its status during use. This technology also ensures consistent performance and protection against overcharging and overheating.

6. Maintenance

6.1 Cleaning

- Keep the battery and charger clean and free of debris. Use a dry, soft cloth to wipe surfaces.
- Do not use water, solvents, or harsh chemicals to clean the battery or charger.
- Regularly inspect the charging terminals on both the battery and charger for dirt or damage.

6.2 Storage

- Store the battery and charger in a cool, dry place, away from direct sunlight and extreme temperatures.
- For long-term storage, it is recommended to store Lithium-ion batteries with a partial charge (around 50%).
- Do not store the battery in a discharged state for extended periods, as this can damage the battery cells.
- Keep the battery and charger away from corrosive materials.

7. Troubleshooting

This section addresses common issues you might encounter with your RYOBI battery and charger.

Problem	Possible Cause	Solution
Battery not charging.	Charger not plugged in; faulty outlet; battery not seated correctly; battery or charger too hot/cold; damaged battery/charger.	Ensure charger is plugged in and outlet is working. Re-seat battery firmly. Allow battery/charger to cool down or warm up to room temperature. Inspect for damage; if damaged, do not use.
Charger indicator lights not working.	No power to charger; charger malfunction.	Check power connection. If still no lights, the charger may be faulty and require replacement.
Battery not holding charge or short runtime.	Battery nearing end of life; improper charging/storage; extreme operating conditions.	Ensure proper charging and storage. If battery is old, it may need replacement. Avoid using in extreme temperatures.
Battery does not fit into tool.	Incorrect battery type; debris in tool's battery port.	Ensure it is a RYOBI 18V ONE+ compatible tool. Clear any debris from the tool's battery port.

If you encounter issues not listed here or if the suggested solutions do not resolve the problem, please contact RYOBI customer support.

8. Specifications

Feature	Detail
Brand	RYOBI
Model Number (Kit)	RC18120-140
Item Model Number (Manufacturer)	5133003360
Battery Type	Lithium-ion
Battery Voltage	18 V
Battery Amperage	4.0 Ah
Charger Type	Fast Charger (IntelliPort)

Feature	Detail
Charger Voltage	18 V
Approx. Charge Time (4.0Ah)	120 minutes (2 hours)
Item Weight (Kit)	2.46 pounds (approx. 1.11 kg)
Product Dimensions (Kit)	8.66 x 13.66 x 8.66 inches (approx. 22 x 34.7 x 22 cm)

9. Warranty & Support

9.1 Warranty Information

RYOBI offers a comprehensive warranty for its tools and batteries:

- All RYOBI tools and batteries are guaranteed for a total period of**24 months** from the date of purchase.
- An additional **1-year extended warranty** is offered if the consumer registers their product within 30 days of the date of purchase.
- To claim the extended warranty, the registration confirmation and the original invoice indicating the date of purchase will serve as proof.

For detailed warranty terms and conditions, please refer to the official RYOBI website or contact customer service.

9.2 Customer Support

For technical assistance, warranty claims, or general inquiries, please visit the official RYOBI website or contact their customer support line. Keep your product model number (RC18120-140 or 5133003360) and proof of purchase readily available when contacting support.

Figure 9.1: RYOBI Brand Logo

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