RYOBI P118B

Ryobi P118B 18V Battery Charger User Manual

Model: P118B | Brand: RYOBI

Introduction

This manual provides comprehensive instructions for the safe and efficient operation of your Ryobi P118B 18V ONE+ Battery Charger. The P118B charger is designed to charge Ryobi 18V ONE+ Lithium-Ion and NiCd batteries, ensuring your tools are ready for use. Please read this manual thoroughly before initial use and retain it for future reference.

Important Safety Instructions

WARNING: Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury.

- **Charger Use:** Use the charger only for charging Ryobi 18V ONE+ battery packs. Charging other battery packs may cause them to burst, leading to personal injury and damage.
- **Power Supply:** Ensure the power supply voltage matches the voltage specified on the charger's nameplate (120V, 60Hz).
- **Environment:** Do not expose the charger to rain or wet conditions. Water entering a charger will increase the risk of electric shock. Operate the charger in a well-ventilated area.
- **Damage Inspection:** Do not use the charger if the cord or plug is damaged. If the charger has received a sharp blow, been dropped, or otherwise damaged, take it to a qualified service person.
- **Unplugging:** Unplug the charger from the outlet when not in use or before cleaning.
- **Ventilation:** Do not block the ventilation openings. Proper ventilation is essential for safe operation.
- **Children:** This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

Product Overview

The Ryobi P118B charger is a compact unit designed for efficient battery charging. It features a dedicated slot for 18V ONE+ batteries and a diagnostic system with indicator lights to communicate charging status and battery condition.



Figure 1: Ryobi P118B 18V Battery Charger. This image shows the charger unit with its attached power cord and two-prong North American plug. The charger has a black body with a yellow "ONE+" logo and indicator lights.

Key Components:

- **Battery Slot:** Receptacle for inserting Ryobi 18V ONE+ battery packs.
- **Indicator Lights:** Provide visual feedback on charging status and battery condition.
- **Power Cord:** Integrated cord with a 2-prong North American plug for connecting to an AC outlet.

Setup

1. **Unpack:** Remove the charger from its packaging.
2. **Placement:** Place the charger on a stable, flat surface in a well-ventilated area, away from direct sunlight, heat sources, and moisture.
3. **Power Connection:** Plug the charger's 2-prong power cord into a standard 120V, 60Hz AC electrical outlet.
4. **Initial Check:** The charger may briefly illuminate an indicator light upon connection, indicating it is ready for use.

Operating Instructions

Charging a Battery Pack:

1. Ensure the charger is plugged into a functional 120V, 60Hz AC outlet.

2. Align the ribs on the battery pack with the grooves in the charger's battery slot.
3. Slide the battery pack firmly into the charger until it clicks into place.
4. Observe the indicator lights on the charger to determine the charging status.
5. Once charging is complete (indicated by a solid green light), remove the battery pack from the charger.
6. Unplug the charger from the power outlet when not in use.

Indicator Light Meanings:

Light Status	Meaning
Blinking Green	Battery is charging.
Solid Green	Battery is fully charged.
Solid Red	Battery is too hot or too cold to charge. The charger will wait until the battery reaches an acceptable temperature before beginning to charge.
Blinking Red	Battery pack is defective. Remove the battery pack and replace it.

The Ryobi P118B charger is designed to charge all ONE+ 18V batteries in 60 minutes or less, depending on the battery's capacity and state of charge. The diagnostic system protects battery cells and conserves energy, maximizing battery life.

Maintenance

- **Cleaning:** Keep the charger's ventilation slots clear of dust and debris. Use a dry cloth to wipe the exterior surfaces. Do not use solvents or harsh chemicals.
- **Storage:** Store the charger in a cool, dry place when not in use. Avoid storing it in areas with extreme temperatures or high humidity.
- **Cord Care:** Regularly inspect the power cord for any signs of damage. Do not wrap the cord tightly around the charger.

Troubleshooting

Problem	Possible Cause	Solution
Charger not operating / No indicator lights	No power to the charger.	Ensure the charger is securely plugged into a live 120V, 60Hz outlet. Check the circuit breaker or fuse for the outlet. Inspect the power cord for damage.
Battery not charging (Solid Red Light)	Battery pack is too hot or too cold.	Allow the battery pack to reach room temperature (approximately 68°F - 75°F or 20°C - 24°C). The charger will automatically begin charging once the temperature is within the acceptable range.
Battery not charging (Blinking Red Light)	Defective battery pack.	Remove the battery pack from the charger. Try charging a different, known-good battery pack. If the new battery charges, the original battery pack may be defective and require replacement.

Problem	Possible Cause	Solution
Battery not charging (no light or incorrect light behavior)	Battery not properly seated or charger malfunction.	Remove the battery and reinsert it firmly into the charger, ensuring it clicks into place. If the issue persists, the charger may require service.

Specifications

- **Model:** P118B
- **Brand:** RYOBI
- **Input Voltage:** 120V AC, 60Hz
- **Output Voltage:** 18 Volts DC
- **Compatible Batteries:** RYOBI 18V ONE+ Lithium-Ion and NiCd Battery Packs (e.g., P102, P103, P104, P105, P107, P108, P197)
- **Approximate Charge Time:** 60 minutes or less (for all ONE+ 18V batteries)
- **Product Dimensions:** 3.25" (Depth) x 4.25" (Width) x 3" (Height)
- **Item Weight:** 14.07 ounces

Warranty and Support

For detailed warranty information, product registration, or technical assistance, please visit the official RYOBI website or contact RYOBI customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.
Visit RyobiTools.com

© 2025 RYOBI. All rights reserved. This manual is for informational purposes only.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question