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Milwaukee 48-11-1850R

Milwaukee M18 18V 5Ah XC Resistant Battery Instruction Manual

Model: 48-11-1850R

1. Introduction

This manual provides essential information for the safe and effective use of your Milwaukee M18 18V 5Ah XC Extended Capacity Resistant Battery. Please read all instructions carefully before using the battery pack. Proper use and maintenance will ensure optimal performance and extend the lifespan of your battery.

The Milwaukee M18 XC5.0 Resistant Battery is engineered with a durable housing to offer enhanced protection against common industrial substances such as oils, greases, and solvents. It is designed for heavy-duty applications, operates efficiently in various temperatures, and maintains consistent power output.



Image: Milwaukee M18 18V 5Ah XC Resistant Battery in retail packaging, highlighting its resistance features and M18 tool compatibility.

2. General Safety Instructions

Always follow basic safety precautions when using battery packs to reduce the risk of fire, electric shock, and personal injury.

2.1 Battery Pack Safety

- **Do not disassemble** the battery pack. Incorrect reassembly may result in a risk of electric shock or fire.
- **Do not short-circuit** a battery pack. A short-circuited battery pack may cause fire or personal injury.
- **Do not store** battery packs in locations where the temperature may reach or exceed 50°C (122°F).
- **Do not incinerate** the battery pack, even if it is severely damaged or completely dead. The battery pack can explode in a fire.
- **Do not expose** battery packs to rain or wet conditions. Water entering a battery pack may increase the risk of electric shock or fire.
- **Dispose of used battery packs properly.** Contact your local municipality for information on recycling and disposal options.

2.2 Charging Safety

- **Use only chargers specified by Milwaukee** for the battery pack. Using any other charger may create a risk of fire, personal injury, and damage.
- **Do not charge** battery packs in damp or wet locations.
- **Do not charge** battery packs when the temperature is below 0°C (32°F) or above 40°C (104°F).
- **Unplug the charger** from the power source when not in use.

2.3 Usage Safety

- **Always remove the battery pack** from the tool before making any adjustments, changing accessories, or storing the tool.
- **Do not use a damaged battery pack or tool.** Have them serviced by an authorized service center.
- **Keep battery terminals clean.**
- **This battery features a resistant housing** designed to protect against exposure to common oils, greases, and solvents. However, prolonged exposure or immersion should still be avoided. Clean any spills promptly.

3. Setup

3.1 Initial Charging

1. Insert the battery pack into a compatible Milwaukee M18 charger. Ensure the battery is fully seated.
2. Plug the charger into a standard electrical outlet. The charger's indicator light will show the charging status.
3. Allow the battery pack to charge completely before first use. Refer to your charger's manual for specific charging times and indicator light meanings.

3.2 Battery Installation and Removal

- **To Install:** Align the battery pack with the battery port on your Milwaukee M18 tool. Slide the battery into the tool until it clicks securely into place. Do not force the battery.
- **To Remove:** Press the battery release button(s) on the tool and slide the battery pack out.

4. Operating

4.1 Using the Battery Pack

The Milwaukee M18 18V 5Ah XC Resistant Battery provides consistent power for over 200+ Milwaukee M18 cordless power tools. Its advanced design ensures fade-free power even in demanding job site conditions.

4.2 Fuel Gauge

Each battery pack is equipped with an onboard fuel gauge. Press the button on the battery pack to display the remaining runtime. The number of illuminated LEDs indicates the charge level:

- **4 LEDs:** 75-100% charge
- **3 LEDs:** 50-75% charge
- **2 LEDs:** 25-50% charge
- **1 LED:** 0-25% charge (recharge soon)

4.3 REDLINK™ Intelligence

This battery pack incorporates REDLINK™ Intelligence, which is a communication system between the tool, battery, and charger. This system provides optimized performance and overload protection, safeguarding the battery and tool from damage due to overheating or over-discharge.

5. Maintenance

5.1 Cleaning

- Keep battery terminals free of dust and debris. Use a clean, dry cloth to wipe the terminals.
- The resistant housing can be wiped clean with a damp cloth if exposed to oils, greases, or solvents. Avoid harsh chemicals or abrasive cleaners.

5.2 Storage

- Store battery packs in a cool, dry place, away from direct sunlight and excessive heat.
- For long-term storage, it is recommended to store battery packs with a partial charge (e.g., 50%).
- Do not store battery packs with metal objects that could short-circuit the terminals.

6. Troubleshooting

If you experience issues with your battery pack, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Battery not charging	Charger not plugged in; faulty charger; battery too hot/cold; damaged battery.	Check charger connection; try a different outlet/charger; allow battery to reach room temperature; inspect battery for damage. If damaged, discontinue use.
Tool not operating	Battery not fully inserted; battery discharged; faulty tool.	Ensure battery is clicked into place; check fuel gauge and recharge if necessary; test with a different battery; if issue persists, inspect tool.

Problem	Possible Cause	Solution
Reduced runtime	Battery not fully charged; battery nearing end of life; extreme operating conditions.	Ensure full charge; consider battery replacement if significantly degraded; operate within recommended temperature ranges.

7. Specifications

Feature	Detail
Model Number	48-11-1850R
Voltage	18 Volts
Battery Capacity	5.0 Amp Hours (5Ah)
Battery Cell Composition	Lithium Ion
Resistance	0.33 Milliohms
Terminal Type	Flat Terminal
Product Dimensions	3.1"D x 4.5"W x 2.8"H
Item Weight	3.17 pounds
Compatibility	All Milwaukee M18 Cordless Power Tools
Special Features	Resistant Housing (oils, greases, solvents), All-Weather Performance, Fuel Gauge, REDLINK™ Intelligence

8. Warranty and Support

For warranty information and customer support, please refer to the official Milwaukee website or contact Milwaukee customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.
Milwaukee Customer Service: Refer to your product packaging or the official Milwaukee website for the most current contact information.

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