

Milwaukee C12C

Milwaukee M12 C12C Lithium-Ion Battery Charger Instruction Manual

Model: C12C

For use with Milwaukee M12 Lithium-Ion Batteries

1. INTRODUCTION

Thank you for choosing the Milwaukee M12 C12C Lithium-Ion Battery Charger. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your charger. Please read this manual thoroughly before using the product to ensure proper function and to prevent potential hazards. Keep this manual for future reference.

2. IMPORTANT SAFETY INSTRUCTIONS

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

- This charger is designed for **220V AC EU plug outlets only**. Do not attempt to use it with 110V outlets or with plug adapters not specifically approved for this device, as this may cause damage to the charger or electrical system.
- Charge only Milwaukee M12 Lithium-Ion battery packs. Other types of batteries may burst, causing personal injury and damage.
- Do not charge non-rechargeable batteries.
- Keep the charger away from moisture and water. Do not expose it to rain or wet conditions.
- Do not operate the charger if it has received a sharp blow, been dropped, or otherwise damaged. Take it to an authorized service center.
- Ensure proper ventilation during charging. Do not block ventilation openings.
- Unplug the charger from the outlet when not in use or before cleaning.
- Do not abuse the cord. Never carry the charger by the cord or yank it to disconnect from an outlet.
- Use of an attachment not recommended or sold by the battery charger manufacturer may result in a risk of fire, electric shock, or injury to persons.

- Do not disassemble the charger. Take it to an authorized service center when service or repair is required. Incorrect reassembly may result in a risk of electric shock or fire.

3. PRODUCT OVERVIEW

The Milwaukee M12 C12C charger is designed to efficiently charge Milwaukee M12 Lithium-Ion battery packs. It features a compact design and indicator lights to communicate charging status.



Image 1: Milwaukee M12 C12C Lithium-Ion Battery Charger. This image displays the red-colored charger unit with its integrated black power cord, terminating in a two-pin European (EU) style plug. The charger features a battery receptacle on the right side and indicator lights on the front panel.

Key Components:

- **Battery Receptacle:** Slot for inserting M12 battery packs.
- **Indicator Lights:** LEDs that display the charging status (e.g., charging, fully charged, error).
- **Power Cord:** Integrated cord with a 220V EU-standard two-pin plug.
- **Ventilation Slots:** Located on the top and sides for heat dissipation.

4. SETUP

1. **Unpack:** Carefully remove the charger from its packaging. Inspect for any shipping damage.
2. **Placement:** Place the charger on a stable, flat, non-combustible surface. Ensure there is adequate ventilation around the charger to prevent overheating. Do not place it on carpet or other materials that could block airflow.
3. **Power Connection:** Plug the charger's power cord into a standard 220V AC EU wall outlet. The charger is designed for European electrical systems. Verify that the outlet provides the correct voltage (220V) before plugging in.

5. OPERATING INSTRUCTIONS

5.1 Charging a Battery Pack

1. Ensure the charger is plugged into a 220V EU outlet.
2. Slide the Milwaukee M12 Lithium-Ion battery pack into the charger's receptacle. Ensure it clicks securely into place.
3. The indicator lights on the charger will illuminate to show the charging status. Refer to the "Indicator Lights" section below for details.

4. Once charging is complete, the indicator light will change to indicate a full charge.
5. Remove the battery pack from the charger by pressing the release button (if present on the battery) and sliding it out.

5.2 Indicator Lights

The charger features LED indicator lights to communicate the status of the battery pack.

- **Solid Red:** Battery is charging.
- **Solid Green:** Battery is fully charged.
- **Flashing Red:** Battery is too hot/cold or defective. Allow the battery to reach ambient temperature or replace if defective.
- **Flashing Red/Green:** Charger error or battery fault. Remove and reinsert the battery. If the issue persists, the battery or charger may be faulty.

5.3 Charging Times

Charging times vary depending on the battery pack's capacity and its current state of charge. Smaller capacity M12 batteries will charge faster than larger capacity M12 batteries. For optimal performance, allow the battery to cool down if it is hot from use before charging.

6. MAINTENANCE

6.1 Cleaning

- Always unplug the charger from the power outlet before cleaning.
- Use a soft, dry cloth to wipe the exterior surfaces of the charger.
- Do not use water or harsh cleaning agents.
- Keep the ventilation openings clear of dust and debris.

6.2 Storage

- Store the charger in a cool, dry place, away from direct sunlight and extreme temperatures.
- Do not store the charger with a battery pack inserted for extended periods.

6.3 Inspection

- Periodically inspect the power cord for any signs of damage, such as cuts or fraying. If damaged, have it replaced by an authorized service center.
- Check the battery receptacle for debris or damage.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Charger not operating / No indicator lights.	No power to the charger.	Ensure the charger is securely plugged into a functional 220V EU outlet. Check the circuit breaker.

Problem	Possible Cause	Solution
Battery not charging (Flashing Red light).	Battery too hot or too cold.	Allow the battery pack to reach room temperature (10°C to 40°C) before attempting to charge.
Battery not charging (Flashing Red/Green light).	Defective battery pack or charger fault.	Remove and reinsert the battery. If the issue persists, try a different M12 battery. If other batteries also fail to charge, the charger may be faulty. Contact Milwaukee service.
Charger makes unusual noises or smells.	Internal fault.	Immediately unplug the charger from the power outlet. Do not use. Contact Milwaukee service.

8. SPECIFICATIONS

Model: C12C

Input Voltage: 220V AC

Output Voltage: 240V DC (for M12 batteries)

Compatible Batteries: Milwaukee M12 Lithium-Ion Battery Packs

Product Dimensions: 7.4 x 6.42 x 3.11 inches (18.8 x 16.3 x 7.9 cm)

Item Weight: 1.65 pounds (0.75 kg)

Color: Red, Black

Manufacturer: MILWAUKEE ELECTRIC TOOLS

9. WARRANTY AND SUPPORT

Milwaukee products are designed for durability and performance. For specific warranty information regarding your M12 C12C charger, please refer to the warranty card included with your purchase or visit the official Milwaukee website. For technical support, service, or to locate an authorized service center, please contact Milwaukee customer service or visit their official website:

www.milwaukeetool.eu (for European support)

Always ensure that any repairs or servicing are performed by qualified personnel using original Milwaukee replacement parts.