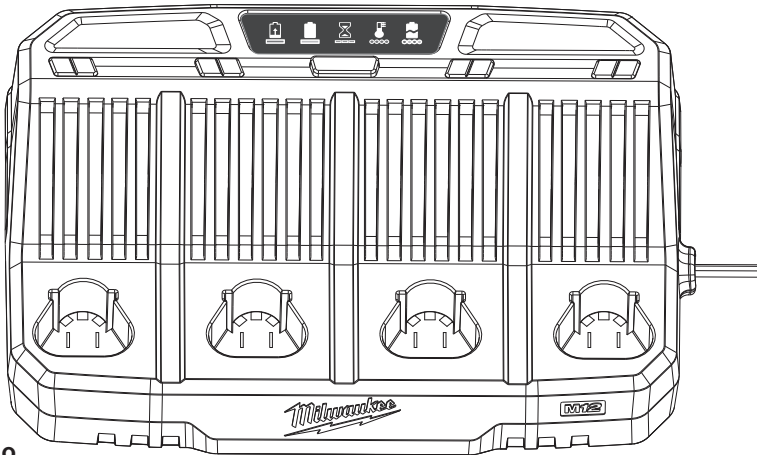




OPERATOR'S MANUAL



Cat. No.
M12 C4



Cat. No.
M12B
M12B2



Cat. No.
M12BX
M12B4

M12™ FOUR BAY SEQUENTIAL CHARGER
M12™ LITHIUM-ION BATTERY PACKS

New batteries must be charged before first use.

TO REDUCE THE RISK OF INJURY, USER MUST READ AND UNDERSTAND OPERATOR'S MANUAL.

IMPORTANT SAFETY INSTRUCTIONS

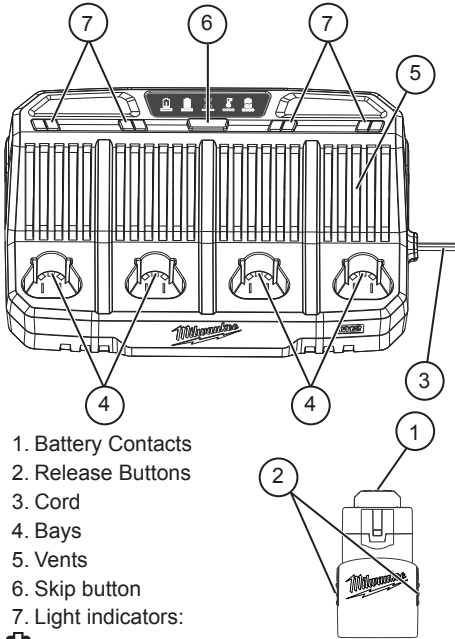
 **WARNING READ AND UNDERSTAND ALL INSTRUCTIONS.** Failure to follow all instructions listed below, may result in electric shock, fire and/or serious personal injury.

SAVE THESE INSTRUCTIONS

- 1. SAVE THESE INSTRUCTIONS - THIS MANUAL CONTAINS IMPORTANT SAFETY AND OPERATING INSTRUCTIONS FOR THE MILWAUKEE® LITHIUM-ION CHARGER CAT. NO. M12™ C4 AND MILWAUKEE® M12™ LI-ION BATTERIES.**
- 2. BEFORE USING THE BATTERY PACK AND CHARGER, READ THIS OPERATOR'S MANUAL, YOUR TOOL OPERATOR'S MANUAL, AND ALL LABELS ON THE BATTERY PACK, CHARGER AND TOOL.**
- 3. CAUTION! TO REDUCE THE RISK OF INJURY, CHARGE MILWAUKEE® M12™ RECHARGEABLE LITHIUM-ION BATTERIES ONLY IN MILWAUKEE® M12™ LITHIUM-ION CHARGERS.** Other types of batteries may burst causing personal injury and damage. Do not wire a battery pack to a power supply plug or car cigarette lighter. Batteries will be permanently disabled or damaged.
- 4. USE MILWAUKEE® LITHIUM-ION PACKS ONLY ON COMPATIBLE MILWAUKEE® LITHIUM-ION TOOLS.** Battery pack and charger are not compatible with V™-technology or NiCd systems. Use with other tools may result in a risk of fire, electric shock or personal injury.
- 5. AVOID DANGEROUS ENVIRONMENTS.** Do not charge battery pack in rain, snow, damp or wet locations. Do not use battery pack or charger in the presence of explosive atmospheres (gaseous fumes, dust or flammable materials) because sparks may be generated when inserting or removing battery pack, possibly causing fire.
- 6. CHARGE IN A WELL VENTILATED AREA.** Do not block charger vents. Keep them clear to allow proper ventilation. Do not allow smoking or open flames near a charging battery pack. Vented gases may explode.
- 7. MAINTAIN CHARGER CORD.** When unplugging charger, pull plug rather than cord to reduce the risk of damage to the electrical plug and cord. Never carry charger by its cord. Keep cord from heat, oil and sharp edges. Make sure cord will not be stepped on, tripped over or subjected to damage or stress. Do not use charger with damaged cord or plug. Have a damaged charger replaced immediately.
- 8. DO NOT USE AN EXTENSION CORD UNLESS IT IS ABSOLUTELY NECESSARY.** Using the wrong, damaged or improperly wired extension cord could result in the risk of fire and electrical shock. If an extension cord must be used, plug the charger into a properly wired 16 gauge or larger extension cord with pins that are the same number, size and shape as the pins on the charger. Make sure that the extension cord is in good electrical condition.
- 9. CHARGER IS RATED FOR 100 - 240 VOLT AC ONLY.** Charger must be plugged into an appropriate receptacle.
- 10. USE ONLY RECOMMENDED ATTACHMENTS.** Use of an attachment not recommended or sold by the battery charger or battery pack manufacturer may result in a risk of fire, electric shock or personal injury.
- 11. UNPLUG CHARGER** when not in use. Remove battery packs from unplugged chargers.
- 12. TO REDUCE THE RISK OF ELECTRIC SHOCK,** always unplug charger before cleaning or maintenance. Do not allow water to flow into AC/DC plug. Use a Ground Fault Circuit Interrupter (GFCI) to reduce shock hazards.
- 13. DO NOT BURN OR INCINERATE BATTERY PACKS.** Battery packs may explode, causing personal injury or damage. Toxic fumes and materials are created when battery packs are burned.
- 14. DO NOT CRUSH, DROP, OR DAMAGE** battery pack. Do not use a battery pack or charger that has received a sharp blow, been dropped, run over, or damaged in any way (e.g., pierced with a nail, hit with a hammer, stepped on).
- 15. DO NOT DISASSEMBLE.** Incorrect reassembly may result in the risk of electric shock, fire or exposure to battery chemicals. If it is damaged, take it to a MILWAUKEE® service facility.
- 16. BATTERY CHEMICALS CAUSE SERIOUS BURNS.** Never allow contact with skin, eyes, or mouth. If a damaged battery pack leaks battery chemicals, use rubber or neoprene gloves to dispose of it. If skin is exposed to battery fluids, wash with soap and water and rinse with vinegar. If eyes are exposed to battery chemicals, immediately flush with water for 20 minutes and seek medical attention. Remove and dispose of contaminated clothing.
- 17. DO NOT SHORT CIRCUIT.** A battery pack will short circuit if a metal object makes a connection between the positive and negative contacts on the battery pack. Do not place a battery pack near anything that may cause a short circuit, such as coins, keys or nails in your pocket. A short circuited battery pack may cause fire and personal injury.
- 18. STORE YOUR BATTERY PACK AND CHARGER** in a cool, dry place. Do not store battery pack where temperatures may exceed 50°C (120°F) such as in direct sunlight, a vehicle or metal building during the summer.

**READ AND
SAVE ALL
INSTRUCTIONS
FOR FUTURE
REFERENCE.**

FUNCTIONAL DESCRIPTION



1. Battery Contacts
2. Release Buttons
3. Cord
4. Bays
5. Vents
6. Skip button
7. Light indicators:

- Continuous red: Charging
- Continuous green: Charging is complete
- Fast flashing red: Battery is too hot/cold - Charging will begin when battery reaches correct charging temperature
- Slow flashing red: Battery charge is pending - Charging will begin when the first pack is fully charged
- Flashing red/green: Damaged or faulty battery pack

SYMBOLOLOGY

| | |
|------------|---|
| V | Volts |
| | Direct Current |
| | Alternating Current |
| | Double Insulated |
| BFP | Backfeed Protected |
| Hz | Hertz |
| A | Amps |
| | Regulatory Compliance Mark (RCM). Product meets applicable regulatory requirements. |
| | Indoor use |
| | Please read the instructions carefully before starting the machine. |
| | Time-lag fuse 3.15A |

SPECIFICATIONS

| Charger Cat. No. | AC Input Volts | Max AC Input Amps | DC Output Volts | Max DC Output Amps |
|------------------|----------------|-------------------|-----------------|--------------------|
| M12 C4 | 100-240 | 1.0 | 12 | 3.0 |

| Battery Cat. No. | DC Volts | Charge Time (Minutes or Fewer) |
|------------------|----------|--------------------------------|
| M12B | 12 | 30 |
| M12B2 | 12 | 45 |
| M12BX | 12 | 60 |
| M12B4 | 12 | 90 |

MILWAUKEE® LITHIUM-ION BATTERY PACKS

Maintenance and Storage

Do not expose your battery pack or cordless tools to water or rain, or allow them to get wet. This could damage the tool and battery pack. Do not use oil or solvents to clean or lubricate your battery pack. The plastic casing will become brittle and crack, causing a risk of injury.

Store battery packs at room temperature away from moisture. Do not store in damp locations where corrosion of terminals may occur. As with other battery pack types, permanent capacity loss can result if the pack is stored for long periods of time at high temperatures (over 50°C (120° F)). MILWAUKEE® Lithium-Ion battery packs maintain their charge during storage longer than other battery pack types. After about a year of storage, charge the pack as normal.


Disposing of MILWAUKEE® Lithium-Ion Battery Packs

MILWAUKEE® Lithium-Ion battery packs are more environmentally friendly than some other types of power tool battery packs (e.g., nickel-cadmium). Always dispose of your battery pack according to federal, state and local regulations. Contact a recycling agency in your area for recycling locations. Even discharged battery packs contain some energy. Before disposing, use electrical tape to cover the terminals to prevent the battery pack from shorting, which could cause a fire or explosion.



WARNING To reduce the risk of injury or explosion, never burn or incinerate a battery pack even if it is damaged, dead or completely discharged. When burned, toxic fumes and materials are created.

MILWAUKEE® LITHIUM-ION CHARGER

 **WARNING** Charge only MILWAUKEE® M12™ Lithium-Ion batteries in this MILWAUKEE® Lithium-Ion charger. Other types of batteries may cause personal injury and damage.


When to Charge the Battery Pack with this MILWAUKEE® Charger

Remove the battery pack from the tool for charging when convenient for you and your job. MILWAUKEE® batteries do not develop a "memory" when charged after only a partial discharge. It is not necessary to run down the battery pack before placing it on the charger.

- Use the Fuel Gauge to determine when to charge your MILWAUKEE® Lithium-Ion battery pack.
- You can "Top-Off" your battery pack's charge before starting a big job or long day of use.
- The only time it is necessary to charge the MILWAUKEE® Lithium-Ion battery pack is when the battery pack has reached the end of its charge. To signal the end of charge, power to the tool will drop quickly, allowing you just enough power to finish making a cut, drilling a hole, or driving a fastener. Charge the battery pack as needed.

How to Charge the Battery Pack

Align the battery pack with the bay and slide the battery pack into the charger as far as possible. The red light will come on, either flashing quickly (pack is too hot or cold), flashing slowly (pack is waiting for another pack to finish charging) or continuous (pack is charging).

- The M12AC4 charges four battery packs, in sequence, from left to right.
- The next pack inserted in the charger will begin charging when the previous pack is fully charged. To skip a pack and move on to the next, press the skip button .
- A fully discharged battery pack with an internal temperature in the normal range will charge in 30 to 90 minutes, depending on the battery pack.
- Heavily cycled batteries may take longer to charge completely.
- After charging is complete, the continuous green light will come on.
- If the light indicator flashes red and green, check that the pack is fully seated into the bay. Remove the pack and reinsert. If the light continues to flash red and green, the pack may be damaged or faulty. If the light continues to flash red in a fast rate, the pack may be extremely hot or cold. Allow the pack to cool down, warm up, or dry out and then reinsert. If the problem persists, contact a MILWAUKEE® service facility.
- If the light indicator does not come on, check that the pack is fully seated into the bay. Remove the pack and reinsert. If the light indicator still does not come on, remove pack(s) and unplug charger for at least 2 minutes. After 2 minutes, plug charger back in and insert pack. If after these attempts the light indicator still does not come on, contact a MILWAUKEE® service facility.

Charging a Hot or Cold Battery Pack

The Red Flashing Indicator light on the charger indicates that the battery pack temperature is outside the charging range. Once the battery pack is within the acceptable range, normal charging will take place and the red light will be continuous. Hot or cold batteries may take longer to charge.

Lithium-Ion Charging Status

| Battery Pack Temperature | Red Charger Indicator Light | Charging Status |
|--------------------------|-----------------------------|-----------------|
| Too Hot | Fast Flashing | Not charging |
| Normal Range | Continuous | Normal charging |
| Too Cold | Fast Flashing | Not charging |

Powering the Charger with an Inverter or Generator

The charger will operate with most generators and inverters rated at 300 Watts or higher.


Maintenance and Storage

Store your charger in a cool, dry place.

As a general practice, it is best to unplug battery chargers and remove batteries when not in use. No battery pack damage will occur, however, if the charger and battery pack are left plugged in.

Repairs

The charger has no serviceable parts.

 **WARNING** To reduce the risk of injury, always unplug the charger and remove the battery from the charger before performing any maintenance. Never disassemble the battery or charger. Contact a MILWAUKEE® service facility for ALL repairs. To reduce the risk of injury and damage, never immerse your battery or charger in liquid or allow a liquid to flow inside them.

Cleaning

Clean out dust and debris from charger vents and electrical contacts by blowing with compressed air. Use only mild soap and a damp cloth to clean the battery pack and charger, keeping away from all electrical contacts. Certain cleaning agents and solvents are harmful to plastics and other insulated parts. Some of these include gasoline, turpentine, lacquer thinner, paint thinner, chlorinated cleaning solvents, ammonia and household detergents containing ammonia. Never use flammable or combustible solvents around batteries, charger, or tools.

WARRANTY - AUSTRALIA and NEW ZEALAND

Please refer to Australian and New Zealand warranty supplied with the tool. This warranty applies only to product sold in Australia and New Zealand.

AUSTRALIA AND NEW ZEALAND MILWAUKEE® SERVICE

MILWAUKEE® prides itself in producing a premium quality product that is Nothing But Heavy Duty®. Your satisfaction with our products is very important to us! If you encounter any problems with the operation of this tool, please contact your authorised MILWAUKEE® dealer. For a list of MILWAUKEE® dealers, guarantee or service agents please contact MILWAUKEE® Customer Service or visit our website.

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Professionally made in China for Milwaukee Electric Tool Corporation