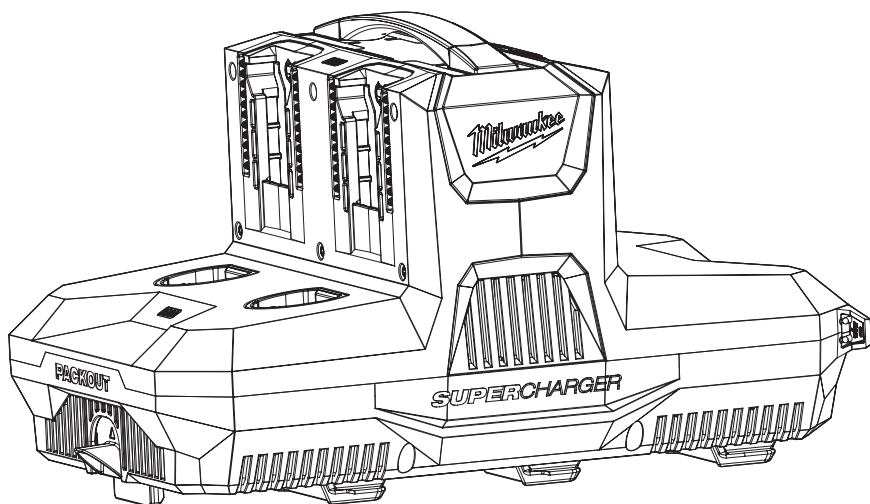




OPERATOR'S MANUAL



Cat. No.
M12-18 MBPSC4

M12™ & M18™ MULTI-BAY PACKOUT™ SIMULTANEOUS SUPER CHARGER



WARNING



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®** Li-Ion charger and **MILWAUKEE®** Li-Ion batteries.
- 2. Before using the battery and charger, read this operator's manual, tool's operator's manual, and all labels on the battery, charger, and tool.**
- 3. ⚠ CAUTION** This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience or knowledge, unless they have been given supervision or instruction concerning the safe use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.
- 4. Use MILWAUKEE® Li-Ion batteries only on recommended MILWAUKEE® Li-Ion products (i.e., The charger only can charge M12™ Li-Ion batteries with a rated capacity from 2.0 Ah to 6.0 Ah and M18™ Li-Ion batteries with a rated capacity from 2.0 Ah to 12.0 Ah.). Do not use counterfeit, aftermarket, or "knockoff" batteries or chargers. Other battery types could explode. Do not wire a battery to a power supply plug or car cigarette lighter**
- 5. Keep batteries out of the reach of children.**
- 6. Avoid dangerous environments.** Do not expose to or charge in rain, moisture, snow, damp, or wet locations. Do not use battery or charger in the presence of explosive atmospheres (gaseous fumes, dust or flammable materials). Sparks may be generated when inserting or removing battery, possibly causing fire.
- 7. Only charge in a well ventilated area and within the recommended ambient charging temperature range.** Do not block vents; keep them clear for proper ventilation. Do not allow smoking or open flames near a charging battery. Vented gases may explode.
- 8. Maintain charger cord.** Pull plug rather than cord to unplug. Never carry charger by its cord. Keep cord from heat, oil and sharp edges. Ensure cord will not be stepped on, tripped over, damaged, or stressed. Do not use charger with damaged cord or plug. Replace damaged cords immediately. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
- 9. Avoid using an extension cord when possible.** When unavoidable, use an extension cord in good electrical condition with the proper wire gauge and length for the current rating of the charger. The pin size and shape must match the pins on the charger cord.
- 10. Charger is rated for 220-240 V AC only.** Charger must be plugged into an appropriate receptacle.
- 11. Use only recommended attachments.**
- 12. Unplug charger and remove batteries when not in use.**
- 13. Always unplug charger before cleaning or maintenance.** Do not allow water to flow into plug. Use a residual current device (RCD) to reduce shock hazards.
- 14. Do not burn, incinerate, or expose batteries to fire or excessive temperatures above 130°C.** Batteries may explode. Toxic fumes and materials are created when batteries are burned.
- 15. Do not crush, drop, shred, modify, or damage battery.** Always securely contain batteries during transport. Do not use a battery 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). Do not use or charge batteries that appear damaged or swollen, or are not functioning properly. Damaged or modified batteries may exhibit unpredictable behaviour.
- 16. Do not disassemble or attempt to repair batteries or chargers.** No internal serviceable parts. Take batteries/chargers that have been damaged, broken, or need repair to a **MILWAUKEE®** service facility to ensure the safety of the product is maintained.
- 17. Battery chemicals cause serious burns.** Never allow contact with skin, eyes, or mouth. If a damaged battery 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.
- 18. Do not short circuit.** A short-circuited battery pack may cause fire, personal injury, and product damage. 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 (e.g., coins, keys, nails, or small metal objects in a pocket, toolbox, or drawer).
- 19. Do not allow fluids to flow into battery pack.** Corrosive or conductive fluids, such as seawater, certain industrial chemicals, and bleach or bleach-containing products, etc., can cause a short circuit. Do not use battery packs that have been exposed to these types of fluids.
- 20. Battery packs marked as resistant** are suitable for environments where incidental contact or exposure to oils, greases, and solvents can occur. These packs are not resistant to acids or other corrosive chemicals. Never immerse or allow fluids to penetrate the battery pack.
- 21. Store the battery pack and charger in a cool, dry place.** Do not store where temperatures may exceed 50°C such as in direct sunlight, a vehicle, or metal building during the summer.
- 22. Unplug charger and remove batteries before mounting.** Do not use charger during transit.
- 23. Install PACKOUT™ Mounting accessories according to their instructions.**
- 24. Mount this charger according to these instructions.** Incorrectly mounted chargers could result in charger and/or battery damage.
- 25. Do not stack tools on PACKOUT™ above eye level.** Risk of injury to self or others or property damage.

26. Maintain labels and nameplates. These carry important information. If unreadable or missing, contact a **MILWAUKEE®** service facility for a replacement.

ADDITIONAL BATTERY SAFETY RULES

⚠WARNING To reduce the risk of fire, personal injury, and product damage due to a short circuit, never immerse your tool, battery pack or charger in fluid or allow a fluid to flow inside them. Corrosive or conductive fluids, such as seawater, certain industrial chemicals, and bleach or bleach-containing products, etc., can cause a short circuit.

⚠WARNING Do not charge non-rechargeable batteries.

1. Replacement of a battery with an incorrect type that can defeat a safeguard (for example, in the case of some lithium battery types).
2. Disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery, that can result in an explosion.
3. Leaving a battery in an extremely high temperature surrounding environment that can damage a battery or the leakage of flammable liquid or gas.
4. A battery subjected to extremely low air pressure that may result in battery damage or the leakage of flammable liquid or gas.

⚠CAUTION Risk of fire or explosion if the battery is replaced by an incorrect type.

SYMBOLGY

	Volts
	Direct Current
	Alternating Current
	Time-lag fuse
	Hertz
	Amps
	Watts
	Double insulated
	Read Operator's Manual
	Indoor use only
	Tool has COOL-CYCLE™ technology.
	Regulatory Compliance Mark (RCM). This product meets applicable regulatory requirements.
	Do not dispose of electric tools together with household waste material. Electric tools and electronic equipment that have reached the end of their life must be collected separately and returned to an environmentally compatible recycling facility.

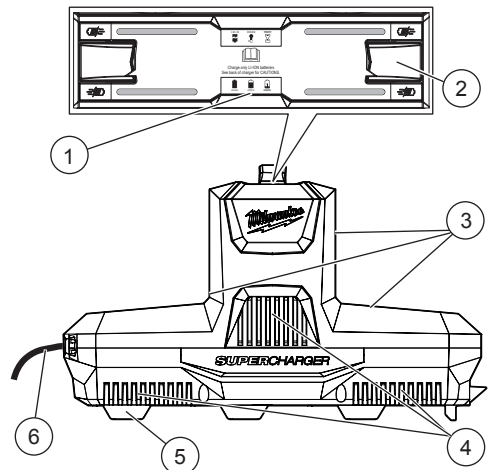
SPECIFICATIONS

Cat. No.	M12-18 MBPSC4
Input Volts	220-240 V AC
Input Power	880 W
Output Volts/Max Output Amps	12 V DC / 19 A 18 V DC / 38 A
Total Max Output Amps	38 A
Recommended Ambient Charging Temperature	5°C to 40°C
Recommended Ambient Operating Temperature	5°C to 25°C
M12™ Li-Ion Battery Packs	12 V DC
M18™ Li-Ion Battery Packs	18 V DC

FUNCTIONAL DESCRIPTION

1. Charger light indicators:

	CHARGE ADAPT™ Solid white: Super charging
	Continuous red: Charging
	Slow flashing green: Approaching full charge
	Continuous green: Charging is complete
	Fast flashing red: Battery and/or charger is too hot/cold - Charging will begin when battery and/or charger reach correct charging temperature
	Slow flashing red: Battery charge is pending - Charging will begin when the first battery is fully charged
	Flashing red/green: Damaged or faulty battery pack and/or charger



2. Carry handle
3. Bays (M12™ & M18™)
4. Vents
5. PACKOUT™ Cleats
6. Cable

CHARGER OPERATION

⚠ WARNING Charge only **MILWAUKEE® M12™** and **M18™** Li-Ion batteries in this **MILWAUKEE®** Li-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 product for charging when convenient. **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 the **MILWAUKEE®** Li-Ion battery pack.
- The battery pack's charge can be "topped-off" before starting a big job or long day of use.
- The only time it is necessary to charge the **MILWAUKEE®** Li-Ion battery pack is when the battery pack has reached the end of its charge. To signal the end of charge, power to the product will drop quickly, allowing enough power to finish the operation. 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 (battery pack or charger is too hot or cold), flashing slowly (communication between pack and charger) or continuous (pack is charging).

- Charge time depends on capacity of battery pack. Heavily cycled batteries may take longer to charge completely.
- Super charge occurs when the battery pack is charging above 9 A. The **CHARGE ADAPT™** indicator will illuminate when a battery pack is super charging. If multiple packs capable of charging at 9 A or faster are placed on the charger, the charger will charge all packs at least 6 A and will distribute the remaining available current to each of the packs up to the pack's maximum charge rate in anticlockwise order starting with the first pack inserted. Once the first pack is charged, the available current will be redistributed to the packs that are still charging.
- On **M18™** battery packs, the fuel gauge lights are displayed as the pack is being charged, indicating how fully charged the pack is. The fuel gauge will turn off when charging is complete.

Symbol	LED Indicator Meaning	Status
	Solid white	Super charging
	Continuous red	Charging
	Slow flashing green	Approaching full charge
	Continuous green	Charging is complete
	Slow flashing red	Battery charge is pending.

	Fast flashing red	Battery and/or charger is too hot/ cold - Charging will begin when battery and/or charger reach correct charging temperature
	Flashing red/green	Fault

- The charger will keep the battery pack fully charged if it is left in the charger. The light indicator will be same as normal charging.
- Fault: If the light indicator flashes red and green or does not come on, check that the battery pack is fully seated into the bay. Remove the battery pack and reinsert. It may be necessary to push the battery into the bay. If the problem persists, remove pack(s) and unplug charger for at least 2 minutes. After 2 minutes, plug charger back in and insert pack. If the problem continues, contact a **MILWAUKEE®** service facility.

Charging a Hot or Cold Battery Pack

The charger has advanced electronics that adjust the charge rate based on battery temperature. Hot or cold batteries may take longer to charge. When the battery pack temperature is outside the normal charging range, the red light will flash and the battery will not charge. Once the battery pack is within the acceptable range, normal charging will take place and the red light will be continuous. This optimises charge time and battery life.

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

COOL-CYCLE™ Fans

- The **COOL-CYCLE™** charger is designed to cool the battery packs while charging.
- For best results, **COOL-CYCLE™** capabilities are best paired with **COOL-CYCLE™** capable battery packs.
- Once battery pack is inserted, the **COOL-CYCLE™** fans will turn on and may continue cooling the battery pack after it is charged.
- The **COOL-CYCLE™** fans may not turn on or spin slower if the battery pack is cool.
- If the charge light indicators double blink red with no battery pack installed, the **COOL-CYCLE™** fan is damaged, contact a **MILWAUKEE®** service facility.

Powering the Charger with an Inverter or Generator

The charger will operate with most 220-240 V generators and inverters rated at 1000 Watts or higher.

Attaching to PACKOUT™

This charger can attach to PACKOUT™ mounting plates and PACKOUT™ rolling accessories.

To attach:

- Slide the charger into the PACKOUT™ accessory and push the charger down until it clicks into place.

NOTE: The red latch located on top, and charging cord located on bottom.

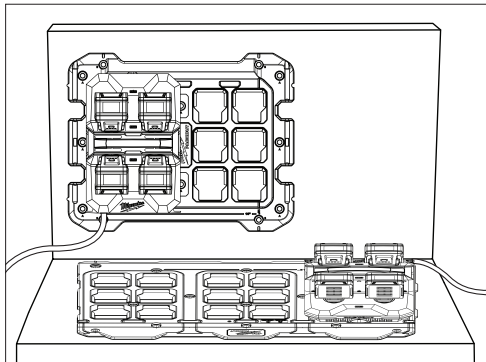
To remove:

- **⚠WARNING** Unplug charger and remove batteries.
- Pull up on the red latch and slide the charger out of the PACKOUT™ slots.

In-Vehicle Mounting

⚠WARNING To reduce the risk of injury when used in a vehicle, always install according to vehicle manufacturer's instructions. A bulkhead must be properly installed to provide protection between the charger and the occupant. To reduce the risk of injury or property damage, only mount in accordance with these instructions.

⚠WARNING Always remove M12™ batteries prior to transporting in a vehicle. Mount the charger in one of the orientations indicated below. The charger must be installed on a properly secured PACKOUT™ system. Ensure M18™ batteries latch into place before transporting in a moving vehicle. M12™ batteries do not latch securely into the charger and should not be installed in the charger during vehicle operation.



MAINTENANCE

⚠WARNING 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 other repairs.

Cleaning

Do not expose battery packs, chargers or tools to fluids, water, or rain, or allow them to get wet. This could damage the tool, charger, and/or battery pack. Clean out dust and debris from tool, charger and battery vents and electrical contacts by vacuuming or brushing. Clean housings with a damp, soapy cloth, keeping away from all electrical contacts. Certain cleaners and solvents, such as petrol, turpentine, lacquer thinner, paint thinner, bleach, chlorinated cleaning solvents, ammonia and household detergents containing ammonia, are harmful to plastics and other insulated parts; plastic casings will become brittle and crack. Never use flammable or combustible solvents around batteries, charger, or tools.

Storage

As a general practice, it is best to unplug chargers and remove battery packs when not in use, however, no damage to the battery pack will occur. Store at room temperature away from moisture. Store batteries upright. Do not store in damp locations where corrosion of terminals may occur. Storing in high temperatures (over 50°C) for long periods can result in permanent capacity loss for any battery. Charge before use after storing for long periods.

Repairs

For repairs, return the tool, battery pack and charger to the nearest authorised service centre.

ACCESSORIES

⚠WARNING Use only recommended accessories. Others may be hazardous.

For a complete listing of accessories, go online to milwaukeetool.com.au / milwaukeetool.co.nz or contact an authorised distributor.

WARRANTY - AUSTRALIA and NEW ZEALAND

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

SERVICE - AUSTRALIA and NEW ZEALAND

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.

(Australia Toll Free Telephone Number 1300 645 928)

(New Zealand Toll Free Telephone Number 0800 645 928)

or visit milwaukeetool.com.au/milwaukeetool.co.nz.

Milwaukee Electric Tool Corporation

13135 West Lisbon Road, Brookfield, Wisconsin U.S.A. 53005

Milwaukee Tool (Australia)

26 - 40 Nina Link, Dandenong South,
Victoria, 3175, Australia

Milwaukee Tool (New Zealand)

59 Hugo Johnston Drive, Penrose,
Auckland, 1061, New Zealand

DESIGNED BY MILWAUKEE ELECTRIC TOOL CORP.