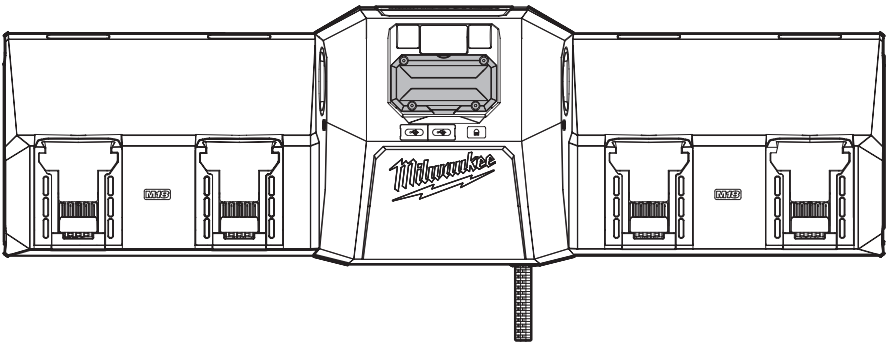
OPERATOR'S MANUAL



Cat. No.

M12-18 SBC4

M12™ & M18™ SITE BOX RAPID CHARGER

WARNING

To reduce the risk of injury, user must read and understand operator's manual.

IMPORTANT SAFETY INSTRUCTIONS - SAVE THESE 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.

1. **SAVE THESE INSTRUCTIONS – This manual contains important safety and operating instructions for the *MILWAUKEE*® Li-Ion charger with *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. **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. **⚠CAUTION Use *MILWAUKEE*® Li-Ion batteries only on recommended *MILWAUKEE*® Li-Ion products (i.e., M18™ batteries with M18™ charger/tools, M12™ batteries with M12™ charger/tools). 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 maybe 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.** When unplugging charger, pull plug rather than 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**.**
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 any plug. Use a residual current device (RCD) protected supply to reduce shock hazards.
14. **Do not burn, incinerate, or expose batteries to fire or excessive temperatures above 130°C (265°F).** 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, in a vehicle accident). 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 batteries or charger.** 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.** 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 contactor 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 (120°F) such as in direct sunlight, a vehicle, or metal enclosure during the summer.

22. **Unplug charger and remove batteries before transporting or mounting.**
23. **Do not mount the charger on a ceiling or overhead.**
24. **Do not attach charger to non-magnetic grades of stainless steel. The magnets will not hold. The magnets are designed to attach to a ferrous surface that is at least 1.3 mm (16 GA) thick.**
25. **The ferrous surface must be free from materials that could prevent the magnets from attaching.**
26. **Make sure that all charger magnets make contact with the ferrous surface.**
27. **Maintain labels and nameplates.** These carry important information. If unreadable or missing, contact a *MILWAUKEE*® service facility for a replacement.

READ AND SAVE ALL INSTRUCTIONS FOR FUTURE REFERENCE

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.

SYMBOLOGY

V	Volts
⎓	Direct Current
~	Alternating Current
Hz	Hertz
A	Amps
BFP	Backfeed Protected
	Double insulated
	Hot Surface
	Do not stare at operating light source.
	Magnets
	Read Operator's Manual
	The product is only suitable for indoor use.
	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.

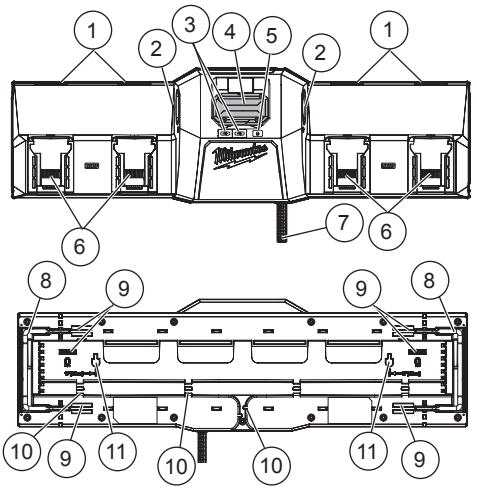
SPECIFICATIONS

Cat. No. M12-18 SBC4
Input Volts..... 220 - 240V AC
Max Input Amps ..... 1.5 A
Output Volts/Max Output Amps..... 12 V DC / 4.5 A
18 V DC / 6 A
USB-C Output..... 5 V DC, 3 A
Work Light Lumen..... ≥450 lm
Recommended Ambient ChargingTemperature..... 5°C to 40°C
Recommended Ambient Operating Temperature..... 5°C to 25°C
M18™Li-Ion Battery Packs..... 18 V DC
M12™Li-Ion Battery Packs..... 12 V DC

Type	Rated voltage	Rated capacity	Cell type	Cell number
M12 B2	12 V	≤2.0 Ah	Li-ion	3
M12 B3	12 V	≤3.0 Ah	Li-ion	3
M12 B4	12 V	≤4.0 Ah	Li-ion	6
M12 B6	12 V	≤6.0 Ah	Li-ion	6
M12 HB2	12 V	≤2.5 Ah	Li-ion	3
M12 HB5	12 V	≤5.0 Ah	Li-ion	6

Type	Rated voltage	Rated capacity	Cell type	Cell number
M18B2	18 V	≤2.0 Ah	Li-ion	5
M18B4	18 V	≤4.0 Ah	Li-ion	10
M18B5	18 V	≤5.0 Ah	Li-ion	10
M18 HB3	18 V	≤3.0 Ah	Li-ion	5
M18 HB6	18 V	≤6.0 Ah	Li-ion	10
M18 HB8	18 V	≤8.0 Ah	Li-ion	10
M18 HB12	18 V	≤12.0 Ah	Li-ion	15
M18 FB6	18 V	≤6.0 Ah	Li-ion	5
M18 FB8	18 V	≤8.0 Ah	Li-ion	10
M18 FB12	18 V	≤12.0 Ah	Li-ion	15

FUNCTIONAL DESCRIPTION



1. Charge light indicator:

Continuous red: Charging

Slow flashing green: Approaching full charge

Continuous green: Charging is complete

Slow flashing red: Battery charge is pending - Charging will begin when the first pack is fully charged.

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: Damaged or faulty battery pack and/or charger.

2. M12™ battery bays
3. USB-C ports
4. Work light
5. Work light button
6. M18™ battery bays
7. Power cord
8. Release lever (2)
9. Magnets
10. Cord storage holders (5)
11. Wall mount holes

CHARGER OPERATION

⚠WARNING Charge only *MILWAUKEE*® M18™ or M12™ 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 guage on either the battery or the tool 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 power source as far as possible.

- Charge time depends on capacity of battery pack. Heavily cycled batteries may take longer to charge completely.
- The fuel gauge lights are displayed as the pack is being charger, indicating how fully charged the pack is. The fuel gauge will turn off when charging is complete.
- 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	Charge Indicator Lights	Status
	Continuous red:	Charging
	Slow flashing green:	Approaching full charge
	Continuous green:	Charging is complete
	Slow flashing red:	Battery charge is pending - Charging will begin when the first pack is fully charged
	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.
- If two battery packs are inserted in the charger on opposite sides, the battery packs will charge simultaneously.
- If two battery packs are inserted in the charger on the same side, the first battery pack inserted will charge first. The other battery pack will charge sequentially.
- The next pack inserted in the charger will begin charging when the previous pack is fully charged.
- 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

Powering the Charger with an Inverter or Generator

The charger will operate with most 230 V generators and inverters rated at 500 Watts or higher.

USB Power Port

These ports can be used to charge a cell phone, power a portable personal device, or any other device that uses less than 3 A of DC electrical current (USB-C). The ports will charge devices simultaneously. Always close the USB covers when not in use.

Work Light

⚠WARNING To reduce the risk of injury do not stare at operating light source. Do not touch the lens.
Surface is hot. Avoid contact.

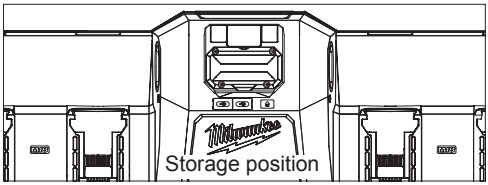
To turn the work light on or off, push the worklight power button. The work light will start to dim and turn off automatically after 1 hour.

If the ambient temperature around the charger reaches extreme heat the work light may start to dim and then flash on/off. Move the charger to a cool environment.

Rotating the Work Light

⚠WARNING To reduce the risk of overheating, do not direct LED panel onto the tool housing. Do not use the light with the LED panel in the closed position.

To rotate the work light, pull the light upward and rotate up to 90° clockwise or 180° anticlockwise. The storage position is LED light facing toward the charger.



Mounting to Magnetic Materials

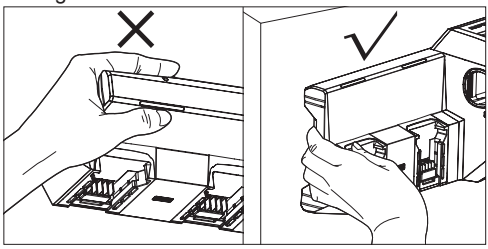
⚠WARNING To reduce the risk of injury or damage to the charger and batteries, unplug charger and remove batteries before mounting. Any installed batteries could cause charger or batteries to fall or make installation difficult. M12™ battery bays do not secure batteries in the charger.

Do not mount the charger on a ceiling or overhead.

Do not attach charger to nonmagnetic grades of stainless steel. The magnets will not hold. The magnets are designed to attach to a ferrous surface that is at least 1.3 mm (16 GA) thick. Make sure that the ferrous material is free from materials that could prevent the magnets from attaching. Rust, scale, or uneven surfaces decrease the holding strength of the magnets. Chips, burrs, dirt and other foreign matter on the surface of the ferrous material will also decrease holding power. Make sure that all charger magnets make contact with the ferrous surface.

1. **⚠WARNING** Unplug charger and remove 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. To **mount** with magnets, press the charger against a magnetic surface that allows all the magnets to securely attach.
4. To **remove** the charger, pull both the release levers away from the magnetic surface.

NOTICE When removing the charger, the magnets may leave scratches on the magnetic surface.



Mounting to the Wall

Use the wall mount guides to mark the hanging points.

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

Clean dust and debris from vents. Keep handles clean, dry and free of oil or grease. Use only mild soap and a damp cloth to clean, since certain cleaning agents and solvents are harmful to plastics and other insulated parts. Some of these include petrol, turpentine, lacquer thinner, paint thinner, chlorinated cleaning solvents, ammonia and household detergents containing ammonia. Never use flammable or combustible solvents around 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 48°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)
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