



# USB RECHARGEABLE PORTABLE POWER SOURCE AND CHARGER

## 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. THIS MANUAL CONTAINS IMPORTANT SAFETY AND OPERATING INSTRUCTIONS FOR THE REDLITHIUM® USB CHARGER CAT. NO. L4 PPS AND BATTERY CAT. NO. L4B2.
2. CHARGE ONLY REDLITHIUM® USB BATTERIES IN THE REDLITHIUM® USB CHARGER. OTHER TYPES OF BATTERIES MAY CAUSE PERSONAL INJURY AND DAMAGE.
3. BEFORE USING THE BATTERY AND CHARGER, READ THIS OPERATOR'S MANUAL, YOUR TOOL OPERATOR'S MANUAL, AND ALL LABELS ON THE BATTERY, CHARGER AND TOOL.
4. USE ONLY WITH LISTED/CERTIFIED ITE POWER SUPPLY. Others may result in a risk of fire, electric shock or personal injury.
5. AVOID DANGEROUS ENVIRONMENTS. Do not charge battery in rain, snow, damp or wet locations. Do not use battery or charger in the presence of explosive atmospheres (gaseous fumes, dust or flammable materials) because sparks may be generated when inserting or removing battery, 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. Vented gases may explode.
7. MAINTAIN 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. USE ONLY RECOMMENDED ATTACHMENTS. Use of an attachment not recommended or sold by the battery charger or battery manufacturer may result in a risk of fire, electric shock or personal injury.
9. TO REDUCE THE RISK OF ELECTRIC SHOCK, always unplug charger before cleaning or maintenance.
10. DO NOT BURN OR INCINERATE BATTERY PACKS. Battery may explode, causing personal injury or damage. Toxic fumes and materials are created when battery are burned.
11. DO NOT CRUSH, DROP, OR DAMAGE battery. Do not use a battery 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).
12. 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.
13. 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. Remove and dispose of contaminated clothing.

14. DO NOT SHORT CIRCUIT. A battery pack will short circuit if a metal object makes a connection between the positive and negative con-tacts 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. 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. A short circuited battery pack may cause fire, personal injury, and product damage.
15. STORE YOUR BATTERY AND CHARGER in a cool, dry place. Do not store battery where temperatures may exceed 120°F (50°C) such as in direct sunlight, a vehicle or metal building during the summer.
16. The product is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities. or lack of experience and knowledge. unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the product.

READ AND SAVE ALL INSTRUCTIONS FOR FUTURE REFERENCE.

## SPECIFICATIONS

Charger Cat. No. ....	L4 PPS
Input.....	5 V DC, 0.1 - 2.1 A
Charger Output.....	4 V DC, 2.1 A
USB Max. Output.....	5 V DC, 2.1 A
Battery Cat. No.....	L4B2
Volts.....	4V DC
Operating Temperature	
Battery and Charger...	4°C to 40°C (40°F to 104°F)
Battery.....	-20°C to 60°C(0°F to 140°F)
Wall Plug Input Volts.....	240V AC

## SYMBOLGY

Volts	Read Operator's Manual
Direct Current	Backfeed Protected
Amps	Properly Recycle Batteries
Regulatory Compliance Mark (RCM). This product meets applicable regulatory requirements.	This charger was only suitable for indoor use. Never expose the charger to rain.
Class III protection	Time-lag fuse 3.0A

## BATTERY

**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.

## Maintenance and Storage

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

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

**⚠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.

### Disposing of MILWAUKEE® Li-Ion Battery

MILWAUKEE® Li-Ion batteries are more environmentally friendly than some other types of power tool batteries. Always dispose of your battery according to federal, state and local regulations. Contact a recycling agency in your area for recycling locations.

Even discharged batteries contain some energy. Before disposing, use electrical tape to cover the terminals to prevent the battery from shorting, which could cause a fire or explosion.

### RBRC Battery Recycling Seals

The RBRC™ Battery Recycling Seals (see "Symbology") on your batteries indicate that **MILWAUKEE**® has arranged for the recycling of that battery with the Rechargeable Battery Recycling Corporation (RBRC). At the end of your battery's useful life, return the battery to a **MILWAUKEE**® Branch Office/Service Centre or the participating retailer nearest you. For more information, visit the RBRC web site at [www.rbrc.org](http://www.rbrc.org).

## CHARGER

**⚠WARNING** Charge only **REDLITHIUM**® **USB** batteries in the **REDLITHIUM**® **USB** charger. Other types of batteries may cause personal injury and damage.

### How to Charge the Battery Pack

1. Plug your USB cable into a power source such as an AC wall adaptor, computer or car port.
2. Insert the micro USB into the micro USB port.
3. Twist the charger cap and remove the cap.
4. Align the battery arrow with the charger arrow and insert the battery completely.
5. Line up the arrows on the cap with the battery holder and twist the cap to lock.
6. The indicator light will display:

Red Solid: Charging, 0-79% charged

Green Flashing: Charging, 80-99% charged

Green Solid: 100% Charged

Red/Green Flashing: Damaged or Faulty Battery



If the light indicator flashes red and green, check that the battery is fully seated into the bay. Remove the battery and reinsert. If the light continues to flash red and green, the battery may be extremely hot or cold, or wet. Allow the battery to cool down, warm up, or dry out and then reinsert. If the problem persists, contact a **MILWAUKEE**® service facility.

## Fuel Gauge

When the charger is unplugged and a battery is inserted, push the battery button to illuminate indicator light. This will display the current battery charge:

Red Flashing: 0-3% remaining

Red Solid: 3-10% remaining

Yellow Solid: 11-49% remaining

Green Solid: 50-100% remaining

**⚠WARNING** To reduce the risk of injury, always unplug the charger and remove the battery from the charger before performing any maintenance. The charger and battery have no internal serviceable parts. Never disassemble the battery or charger.

### 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 damage will occur, however, if the charger and battery are left plugged in.

**⚠WARNING** 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 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.

### Using the USB A Port

The USB A port can be used to charge a cell phone, or other personal device that is in compliance with the USB Standard. To turn on the USB, press the battery button. The USB A port will remain on until it fully charges the device before turning off automatically.

**NOTE:** USB A Port (for device charging) is shut down when the battery is charging.



## **WARRANTY - AUSTRALIA and NEW ZEALAND**

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

## **SERVICE - AUSTRALIA and NEW ZEALAND**

*MILWAUKEE*<sup>®</sup> prides itself in producing a premium quality product that is Nothing But Heavy Duty<sup>®</sup>. 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*<sup>®</sup> dealer.

For a list of *MILWAUKEE*<sup>®</sup> dealers, guarantee or service agents please contact *MILWAUKEE*<sup>®</sup> 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](http://milwaukeetool.com.au) / [milwaukeetool.co.nz](http://milwaukeetool.co.nz).

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Designed by Milwaukee Electric Tool Corp.

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