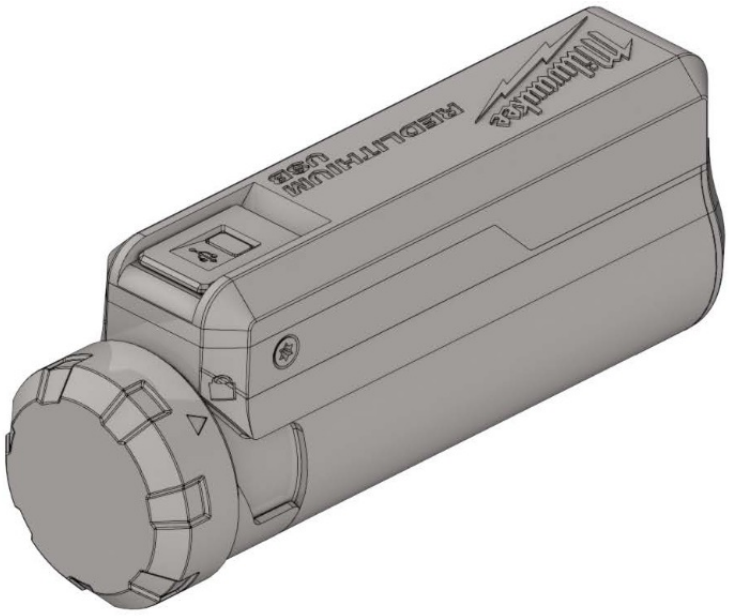
milwaukee L4 PPS REDLITHIUM USB Portable Power Source and Charger Kit User Manual

Nothing but heavy duty
L4 PPS
User Manual



TECHNICAL DATA	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 catalogue no.	L4B2, L4B3
Volts	4 V DC
Operating temperature	
Battery and charger	+4°C – +40°C
Battery	-20°C – +60°C

WARNING! Read and understand all safety warnings and instructions. Failure to follow the warnings and instructions may result in electric shock, fi re, and/or serious injury.
Read and save all instructions for future reference.

Contents

IMPORTANT SAFETY INSTRUCTIONS

The manual contains important safety and operating instructions for the REDLITHIUM USB charger catalog no. L4 PPS and battery catalog no. L4B2, L4B3.
Charge only REDLITHIUM USB batteries in the REDLITHIUM USB charger. Other types of batteries may cause personal injury and damage.
Before using the battery and charger, read the operator's manual, your tool operator's manual, and all labels on the battery pack, charger, and tool.
Use only with listed/certifi ed ITE power supply. Other power supplies may result in a risk of fi re, electric shock, or personal injury.
Avoid dangerous environments. Do not charge the battery pack in rain, snow, damp, or wet locations. Do not use the battery pack or charger in the presence of explosive atmospheres (gaseous fumes, dust, or fl ammable materials) because sparks may be generated when inserting or removing the battery pack, possibly causing fi re.
Charge in a well-ventilated area. Do not block the charger vents. Keep them clear to allow proper ventilation. Do not allow smoking or open fl ames near a charging battery. Vented gases may explode.
Maintain the cord. When unplugging the charger, pull the plug rather than the cord to reduce the risk of damage to the electrical plug and cord. Never carry the charger by its cord. Keep the cord from heat, oil, and sharp edges. Make sure that the cord will not be stepped on, tripped over, or subjected to damage or stress. Do not use the charger with a damaged cord or plug. Have a damaged charger replaced immediately.
Use only recommended attachments. The use of an attachment not recommended or sold by the battery charger or battery manufacturer may result in a risk of fi re, electric shock, or personal injury.
To reduce the risk of electric shock, always unplug the charger before cleaning or maintenance.

Do not burn or incinerate the battery packs. Battery packs may explode, causing personal injury, or damage. Toxic fumes and materials are created when battery packs are burned.
Do not crush, drop, or damage the 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).
Do not disassemble. Incorrect reassembly may result in the risk of electric shock, fi re, or exposure to battery chemicals. If it is damaged, take it to a MILWAUKEE service center.
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 the skin is exposed to battery fl uids, wash with soap and water and rinse with vinegar. If eyes are exposed to battery chemicals, immediately fl use with water for 20 minutes
and seek medical attention. Remove and dispose of contaminated clothing.
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 the battery pack near anything that may cause a short circuit, such as coins, keys, or nails in your pocket. Do not allow fl uids to fl ow into the battery pack. Corrosive or conductive fl aids, such as seawater, certain industrial chemicals, bleach or bleach-containing products, etc., can cause a short circuit. A short-circuited battery pack may cause fi re, personal injury, and product damage.
Store the battery pack and charger in a cool, dry place. Do not store the battery pack where temperatures may exceed 50°C, such as in direct sunlight, a vehicle, or a metal building during the summer.
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 the use of the product by a person responsible for their safety. Children should be supervised to ensure that they do not play with the product.

BATTERIES – MAINTENANCE AND STORAGE

Do not expose the battery pack or cordless tools to water or rain or allow them to get wet. This causes damage to the product and battery pack. 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, the 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 6 months 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.

ADDITIONAL BATTERY SAFETY WARNINGS

 **WARNING!** To reduce the risk of fi re, personal injury, and product damage due to a short circuit, never immerse the product, battery pack, or charger in fl uid or allow fl uid to fl ow inside them. Corrosive or conductive fl aids, such as seawater, certain industrial chemicals, bleach or bleach-containing products, etc., can cause a short circuit.

TRANSPORTING LITHIUM BATTERIES

Lithium-ion batteries are subject to the Dangerous Goods Legislation requirements. Transportation of those batteries has to be done in accordance with local, national, and international provisions and regulations.
Batteries can be transported by road without further requirements.
Commercial transport of lithium-ion batteries by third parties is subject to Dangerous Goods Regulations.
Transport preparation and transport are exclusive to be carried out by appropriately trained persons and the process has to be accompanied by corresponding experts.
When transporting batteries:

- Ensure that the battery contact terminals are protected and insulated to prevent short circuits.
- Ensure that the battery pack is secured against movement within the packaging.

- Do not transport batteries that are cracked or leaking.
- Check with the forwarding company for further advice.

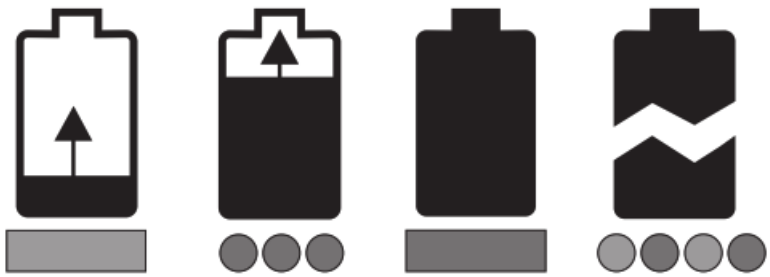
DISPOSING OF MILWAUKEE LI-ION BATTERY

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 of, use electrical tape to cover the terminals to prevent the battery from shorting, which could cause a fi re or explosion.

CHARGER

WARNING! Charge REDLITHIUM USB batteries in the REDLITHIUM USB charger only. Other types of batteries may cause personal injury and damage.
How to charge the battery pack

1. Plug the USB cable into a power source, such as an AC wall adaptor, computer, or carport.
2. Insert the micro-USB into the micro-USB port.
3. Turn the charger cap and remove the cap.
4. Align the battery arrow with the charger arrow and insert the battery pack completely.
5. Line up the arrows on the cap with the battery pack holder and turn the cap to lock.
6. The indicator light will display the charging status:
   - 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 fl ashes red and green, check that the battery is fully seated in the bay. Remove the battery pack and reinsert it. If the light continues to fl ash red and green, the battery may be extremely hot or cold, or wet. Allow the battery pack to cool down, warm up, or dry out and then reinsert it. If the problem persists, contact a MILWAUKEE service center.

FUEL GAUGE

When the charger is unplugged and a battery pack is inserted, push the battery button to illuminate the indicator light. This displays 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 pack 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 the batteries when not in use.
However, if the charger and battery are left plugged in, no battery damage will occur.

 **WARNING!** To reduce the risk of injury and damage, never immerse the battery pack or charger in liquid or allow a liquid to fl ow inside them.

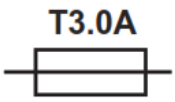
CLEANING

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 fl ammable or combustible solvents around batteries, chargers, or tools.

USING THE USB A PORT

The USB A port can be used to charge a cell phone, or another personal device that is in compliance with the USB standard. To turn on the USB, press the battery button. The USB A port remains on until it fully charges the product before turning off automatically.
NOTE: USB A Port (for device charging) is shut down when the battery is charging.

SYMBOLS

	CAUTION! WARNING! DANGER!
	Read the operator’s manual.
V	Volts
	Direct current
A	Amps
	Class III protection
	This charger was only suitable for indoor use. Never expose the charger to rain.
	Time-lag fuse 3.0 A
	Do not dispose of electric tools, batteries/ rechargeable batteries together wi th household waste material. Electric tools and batteries that have reached t he end of their life must be collected separately and returned to an environmentally compatible recycling facility. Check with your local authority or retailer for recycling advice and collection point.

REDLITHIUM is a trademark of Techtronic Cordless GP.

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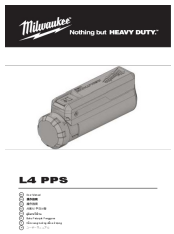
Documents / Resources

	milwaukee L4 PPS REDLITHIUM USB Portable Power Source and Charger Kit [pdf] User Manual L4 PPS, REDLITHIUM USB Portable Power Source and Charger Kit, USB Portable Power Source, Portable Power Source, L4 PPS, Power Source