



CURRIE TECHNOLOGIES

Hybrid Electric Bicycles & Scooters

CURRIE TECHNOLOGIES®
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RMB



RTMB

RMB & RTMB battery packs for use with Currie Technologies® electric bikes

SLA (Non-Spillable Sealed Lead Acid) battery packs last over 200 recharge cycles.
 Li-Ion (Lithium-Ion) battery packs last about 500 recharge cycles
 Charger not included.

RMB (Rack-Mounted Battery) packs

- **Part # BA-PK24-004** (24V10Ah SLA RMB Battery Pack, Grey) for use with iZip or eZip RMB bikes
- **Part # BA-PK24-005** (24V10Ah SLA RMB Battery Pack, Black) for use with iZip or eZip RMB bikes
 - Initial Charge Time is 8 hours
 - Recharge Time is 6-8 hours
 - Do not charge longer than 24 hours

RTMB (Rack-Top Mounted Battery) packs

- **Part # BA-PK2410-311** (Battery Pack, 24v10a Li-Ion, RTMB) for use with iZip or eZip RTMB bikes
 - Initial Charge Time is 6 hours
 - Recharge Time is 4-6 hours
 - Do not charge longer than 24 hours
- **Part # BA-PK36-310** (Battery Pack, 36v12a Li-Ion, RTMB) for use with iZip Zuma
 - Initial Charge Time is 6 hours
 - Recharge time is 4-6 hours
 - Do not charge longer than 24 hours

! WARNING

- Read all related instructions before using this product.
- Use of the wrong type of charger could cause a fire and/or explosion resulting in serious injury or death.
- To prevent electric shock, do not immerse in water.
- Use the charger in dry location only.
- Use only Currie Technologies approved SLA chargers with RMB battery packs.
- Use only Currie Technologies approved Li-Ion chargers with RTMB battery packs.
- Do not interchange chargers between SLA and Li-Ion battery packs.
- This product is not intended for children; it is for adult use only. Charger is not a toy.
- Due to risk of injury never allow children to charge the battery. Battery charging must be done by adults only.
- Due to risk of injury never allow children to handle the battery pack. Battery pack is to be handled by adults only. The battery pack is heavy and SLA packs contain sulfuric acid (electrolyte). Dropping the battery pack could result in injury.
- In order to prevent fire never modify the electrical system. Alterations could cause fire or explosion resulting in serious injury or death.
- The battery pack, charger and charger port should be regularly inspected for damage or excessive wear (cord, plug, enclosure, etc.). If damage or excessive wear is found stop using until item(s) can be repaired or replaced.

! ATTENTION

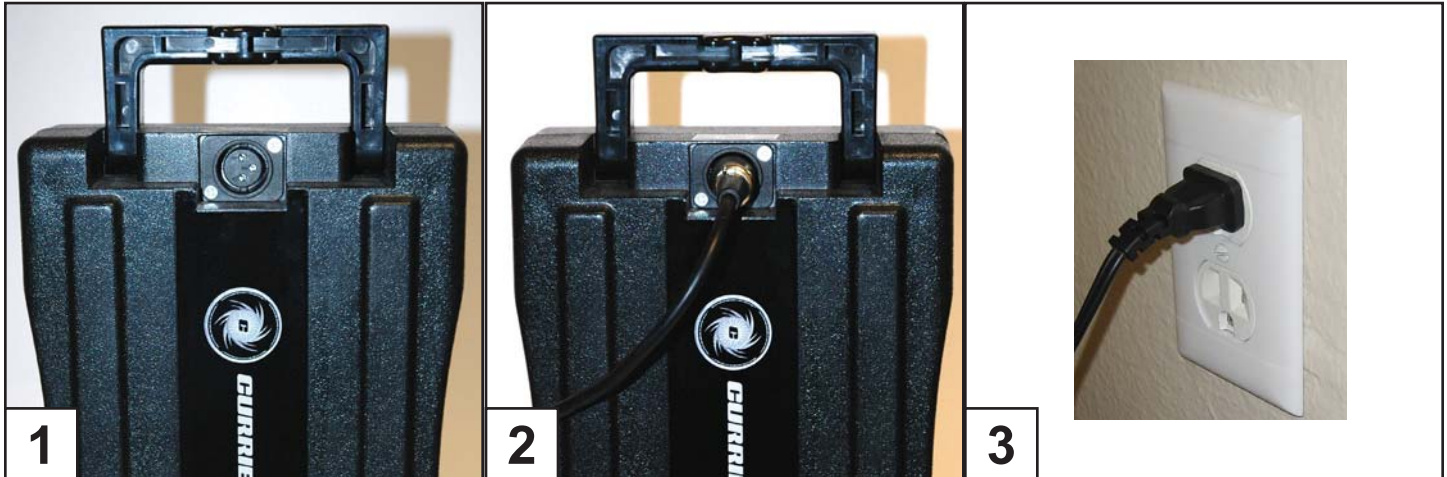
- Be sure to charge battery pack at least every 90 days even if not used. Doing so will help to maximize the life of your battery pack.
- Always be sure to turn the bike "OFF" after each use via the On/Off power switch.

CHARGING YOUR BATTERY PACK (SLA)

Use only a Currie Authorized 24V SLA Smart Charger to charge the batteries. Using any other charger may damage the batteries and void your warranty. The charger unit has lights that show the battery charge status. Refer to the instructions that appear on the charger unit.

1. Flip the handle up to expose the charger port
2. Attach the charger to the charger port
3. Plug the Battery Charger's AC plug into a standard, grounded 110V AC wall outlet. If the power to the outlet is controlled by a switch be sure the switch is "ON". Let the batteries charge until the charger lights indicate that the batteries are fully charged, then unplug the charger from the battery and the wall outlet.

The charger may get warm to the touch, so make sure you charge them in an open area and do not lay anything on the charger unit while charging. Although you cannot over-charge the batteries using the Currie "Smart Charger", we recommend that you do not leave the charger plugged in for more than 24 hours.

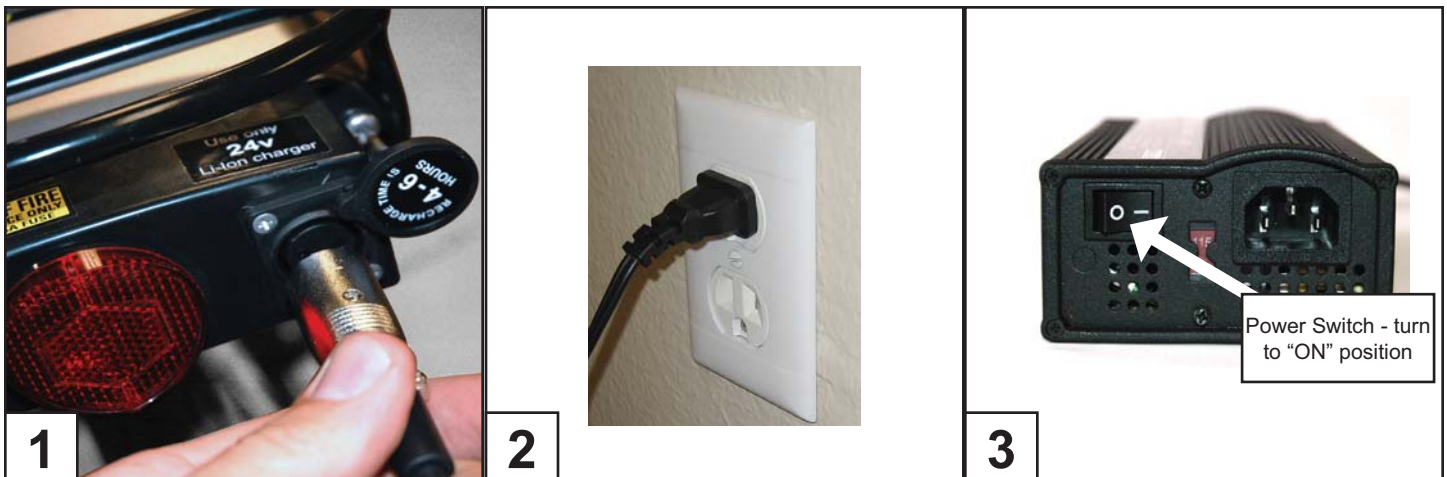


CHARGING YOUR BATTERY PACK (LI-ION)

Use only a Currie Authorized 24V Li-Ion Smart Charger to charge the batteries. Using any other charger may damage the batteries and void your warranty. The charger unit has lights that show the battery charge status. Refer to the instructions that appear on the charger unit.

1. Flip the charger port cap up to expose the charger port
2. Attach the charger to the charger port
3. Plug the Battery Charger's AC plug into a standard, grounded 110V AC wall outlet. If the power to the outlet is controlled by a switch be sure the switch is "ON". Turn the charger on using the switch on the charger unit. Let the batteries charge until the charger lights indicate that the battery is fully charged, then unplug the charger from the battery and the wall outlet.

The charger may get warm to the touch, so make sure you charge them in an open area and do not lay anything on the charger unit while charging. Although you cannot over-charge the batteries using the Currie "Smart Charger", we recommend that you do not leave the charger plugged in for more than 24 hours.



BATTERY CARE

Proper maintenance of batteries will maximize their lifespan and capacity. Currie Technologies® warrants your new batteries from the date of purchase only if properly cared for—refer to the limited warranty for details.

Currie uses SLA (Sealed Lead Acid) or Li-Ion (Lithium Ion) batteries in all of our hybrid electric bicycles and scooters. These are both very user-friendly types of batteries when cared for properly.

Care

Even with proper care, rechargeable batteries do not last forever. Every time the battery is discharged and subsequently recharged, its relative capacity decreases by a small percentage. You can maximize the life of your battery by following the instructions in this guide.

- Batteries should be fully charged immediately when they are received for the full recommended charge times.

SLA recommended charge time: 6-10 hours (depending on model)

Li-Ion recommended charge time: 4-6 hours (2-3 hours for Via Urbano). For a complete, 100% charge, leave the battery on the charger for one full hour after the charger indicator light turns green.

- Never charge batteries for longer than 24 hours.
- SLA and Li-Ion batteries do not have a “memory.” Partial discharge/charge cycles will not harm the batteries’ capacity or performance.
- The rated output capacity of a battery is measured at 77°F (25°C). Any variation in this temperature will alter the performance of the battery, and shorten its expected life. High temperatures especially reduce overall battery life & run time.
- Currie bikes and scooters are equipped with a five-minute sleep function. If no activity is detected after five minutes, the bike/scooter will go into “stasis” mode to conserve battery power. Simply cycle the bike/scooter off then on again to re-activate the battery.
- Always be sure to turn the bike/scooter power switch to “OFF” after each use. If you leave the power switch in the “ON” position, or your product has not been charged for a long period of time, the batteries may reach a stage at which they will no longer hold a charge.
- Be friendly to the environment! Be sure to recycle your old batteries at a local battery-recycling center. Do not throw them in the garbage! Check www.call2recycle.org for more information on free battery dropoff locations.

Storage

When storing your batteries for a long period of time (longer than two months):

- Charge your batteries every 90 days to avoid capacity loss. Batteries slowly self-discharge when left unused for a long period of time; if the battery cells are allowed to reach a critically low voltage, their lifespan and capacity will be permanently reduced.
- Always disconnect your charger from the wall outlet and battery before storing the battery.
- Avoid storing your batteries in extreme temperatures, whether hot or cold.
- Batteries are best kept in a cool, dry place. Do not allow batteries to accumulate condensation, as this could cause shorting or corrosion.
- The recommended storage temperature for both SLA and Li-Ion batteries is between 32-77 °F (0-25°C).
- Avoid exposing the battery to extreme heat (104°F or higher) for long periods of time.

FAQ

Q: Do I need to “break-in” my batteries?

A: Yes, it is recommended that you perform a “break-in” cycle consisting of ~ three discharge/charge cycles to allow your batteries to reach optimum performance. This involves three complete discharges and three complete recharges. After this initial “break-in” cycle the batteries will have maximum possible performance and less line voltage fluctuations under load.

Q: Is it normal that the batteries get warm when recharging?

A: Yes, it is normal that the batteries will become warm to the touch during the recharging process. This is because the increase of internal resistance and less energy conversion efficiency from electric energy to chemical energy.

Q: How long will my batteries last before needing replacement?

A: Average battery life depends on use and conditions. Even with proper care, rechargeable batteries do not last forever. Conservatively, an SLA battery will come to the end of its useful life after ~200 full discharge/charge cycles, while Li-Ion batteries will last about 500 cycles. A partial charge/discharge counts fractionally against those numbers; running the battery down halfway then recharging it completely uses up one half of a charge cycle.

“End of useful life” refers to the point at which a battery can no longer supply 80% of its original rated capacity in ampere-hours. After this point, the aging process will accelerate and the battery will need to be replaced.

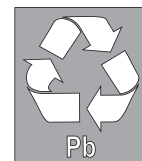
BATTERY DISPOSAL

Please join us in our commitment to improve the environment by recycling your old batteries.

- The RMB battery pack consists of two 12V non-spillable sealed lead acid batteries. They must be recycled or disposed of in an environmentally safe and legal manner.
- The batteries used in the RMB battery packs are chemically identical to common automotive starter batteries and can be returned to any site that accepts automotive lead acid batteries for recycling. Examples include automotive service stores, automotive service centers, battery recyclers, etc. To find a battery recycling facility in your area please visit either of these websites:
 - www.earth911.com
 - www.thinkgreen.com/recycle-where
 - www.call2recycle.org
- When recycling lead batteries do not mix them with non-lead batteries. Non-lead batteries pose a fire/explosion hazard if brought to a lead battery recycling facilities. Lead batteries (example: sealed lead acid batteries, etc.) and non-lead batteries (example: lithium ion, nickel metal hydride, etc.) are recycled at different facilities.
- Do not dispose of batteries in a fire due to risk of explosion
- Do not dispose of these batteries in your regular household trash. The incineration and/or disposal in a landfill is prohibited by law in most countries, including the USA.
- In the event of disposal, dispose only in accordance with federal, state and local regulations.
- Protect the environment by not disposing of this product with household waste (Directive 2002/96/EC). Check your local authority for recycling advice and facilities (Europe only).



Li-Ion



Pb



ATTENTION

In the unlikely event that you suspect fluid is leaking from your SLA battery follow the precautions below.

- Internal exposure: If battery acid is ingested give water, milk of magnesia or egg whites immediately. Never give emetics or induce vomiting. Contact a physician immediately.
- External exposure: If battery acid comes in contact with skin or eyes flush immediately with cool water for 15 minutes. Contact a physician immediately

If the battery develops a leak avoid contact with the fluid (battery acid). Place leaking battery into a plastic bag and dispose of safely and properly.