

Loss Prevention Safety Tip



Loss Prevention
Program

By Red River Mutual

LITHIUM-ION BATTERY SAFETY

Lithium-ion batteries supply power to many kinds of devices including smart phones, laptops, e-scooters and e-bikes, e-cigarettes, smoke alarms, toys, and even cars. If not used correctly, or if damaged, these batteries can catch on fire or explode.

The Problem

- These batteries store a large amount of energy in a small amount of space.
- Sometimes batteries are not used the right way; batteries not designed for a specific use can be dangerous.
- Like any product, a small number of these batteries are defective. They can overheat, catch fire, or explode.

Safety Tips

- Purchase and use devices that are listed by a qualified testing laboratory, such as CSA or ULC.
- Always follow the manufacturer's instructions.
- Only use the battery that is designed for the device.
- Put batteries in the device the correct way.
- Only use the charging cord that came with the device.
- Do not charge a device under your pillow, or on a bed or couch.
- Do not keep charging the device or device battery after it is fully charged.
- Keep batteries at room temperature when possible. Do not charge them at temperatures below 0°C or above 40°C.
- Store batteries away from anything that can catch fire.

Signs of a Problem

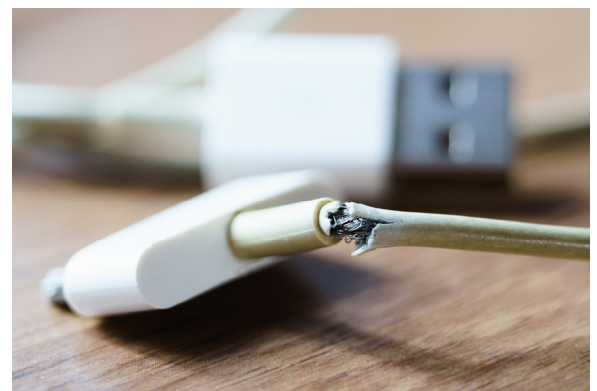
Stop using the battery or charging cable if you notice these problems: odor, change in color, any damage, too much heat, change in shape, leaking, or odd noises. If it is safe to do so, move the device away from anything that can catch fire.

Battery Disposal

- Do not put lithium-ion batteries in the trash.
- Recycling is always the best option.
- Take them to a battery recycling location or contact your community for disposal instructions.
- Do not put discarded batteries in piles.

Charging an E-bike

- Charge your battery in a flat, dry area away from children, direct sunlight, liquids, tripping hazards, and in a location where the e-bike is not at risk of falling.



Source: National Fire Protection Association

See more loss prevention tips at www.preventingloss.com

While the safety recommendations in this report are based on apparent and obvious conditions that were found at the time of inspection, the report does not purport to identify all hazards or guarantee compliance with any standards, codes, ordinances or regulations. It is not legal or expert advice, and should not be used in place of consultation with appropriate professionals. Any person relying on this information does so entirely at their own risk. Red River Mutual denies all responsibility for any liability, loss, injury or risk which is incurred as a direct or indirect result of the use of any of the recommendations in this report.