

BATTERY SAFETY

Rechargeable batteries – especially lithium-ion batteries – are widely used in phones, laptops, tablets, power tools, e-bikes, and equipment. When batteries are damaged, charged improperly, or stored incorrectly, batteries can overheat, catch fire, or explode.

Common Battery Hazards

- Overheating or fire from overcharging or damaged batteries
- Thermal runaway (rapid, uncontrollable heating)
- Electrical shock or short-circuiting
- Chemical exposure from leaking or ruptured batteries



+ POSITIVE (DO)



- NEGATIVE (DO NOT)

Only use manufacturer-approved chargers

Leave batteries unattended while charging or overnight

Charge batteries on non-combustible surfaces

Use damaged, swollen, or leaking batteries

Keep batteries cool, dry, and well-ventilated

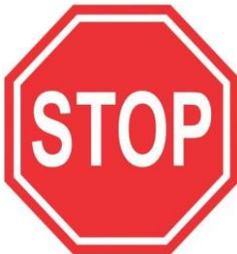
Leave batteries in direct sunlight or hot vehicles

Inspect batteries regularly for damage or swelling

Dispose batteries in regular garbage or recycling bins

Store spare batteries away from heat sources and flammable materials

Mix old and new batteries in devices



STOP Using Batteries Immediately If You Notice:

- Swelling or bulging
- Cracks, leaks, or corrosion
- Unusual heat during use or charging
- Burning smell, smoke, or hissing sounds

If safe to do so, unplug the device and move it away from people and combustible materials.

On Campus Battery Disposal

The University of Regina provides battery recycling bins located around campus for easy disposal.

1. Tape the terminals of **all** battery types - preferably with clear tape to prevent sparks or fires.
2. Place batteries in a clear and sealable bag.
3. Place batteries in a campus battery recycling bin.



If a battery is leaking or damaged, place it in a sealed bag and do not handle it with bare hands. Bring to CAA Battery Depot for safe recycling.

Resources:

[Frequent Questions on Lithium-Ion Batteries | US EPA](#)
[Call2Recycle Canada | Safety -DDR Battery Disposal](#)
[Recycle Your Batteries, Canada: Battery Safety](#)