

# LITHIUM-ION BATTERY SAFETY

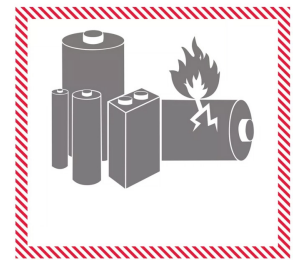


Lithium-ion batteries are present in our day-to-day lives and power devices such as smartphones, laptops, tablets, smoke alarms and toys, as well as electric scooters, electric bikes, electric cigarettes and electric vehicles.

If these batteries are damaged, not used correctly or disposed of incorrectly, there is a risk they can catch fire or explode.

## PREVENTING FIRES IN ELECTRONIC DEVICES

- + Do not charge electronic devices longer than is necessary.
- + When possible, do not charge devices overnight.
- + When a device is done charging, remove it from the charger and allow it to cool.
- + Store batteries that are not in use away from items which could catch fire.
- + Follow all of the manufacturers recommendations for storage, use, and charging.
- + Only use the correct battery for the device.



## Fire Facts

- + Once on fire, lithium can burn at temperatures greater than 2000°C
- + Even after a fire in a lithium-ion battery is put out, it may reignite anywhere from hours to days later.
- + Lithium-ion batteries store a tremendous amount of energy, almost three times more than alkaline batteries and can last years longer

## IMPORTANT SAFETY REMINDERS ABOUT LITHIUM-ION BATTERIES:

### Charge electronics safely

- + Charging lithium-ion batteries generates heat.
- + Always charge electronic devices on dry, flat, hard surfaces.
- + Maintain a clear area around charging electronics.

### Room temperature is best

- + If lithium-ion batteries get too hot they may catch fire.
- + It is best not to charge batteries when the temperature is below 0°C or above 40°C.

### Use the correct chargers for the device

- + Only use the charger which came with the device.
- + If you must replace the charger, replace it with one from the manufacturer.

### Dispose of batteries safely

- + Batteries which no longer work or don't seem to operate correctly should not be thrown in the garbage, instead, take the batteries to an Eco Station or authorized battery disposal site.

### Reduce your risk with safe products

- + Only buy batteries from recognized manufacturers.
- + Only use devices which have received testing and certification from recognized testing authorities such as the ULC or ETL.
- + Accepted ULC Logos: Accepted ETL Logo:



## FIRE SAFETY TIP:

If you notice any of the following with your batteries:

- + Odour
- + Change in colour
- + Change in shape
- + Too much heat
- + Leaking
- + Odd noises

These may be a sign of danger. If it is safe to do so, move the device away from anything that could catch fire, **call 9-1-1** and go outside.