

# LITHIUM-ION BATTERIES

## CHARGE INTO SAFETY

### WHAT IS A LITHIUM-ION BATTERY?

Lithium-ion batteries are an effective and efficient way to store electricity. As a result, lithium-ion is the most popular rechargeable battery chemistry used today. This type of battery powers the devices we use every day, like our mobile phones and electric vehicles. The vast majority of electronics that can be recharged are powered by this technology.



### WHY ARE THEY DANGEROUS?

- Water may not prevent a battery from reigniting.
- Battery cells are known to explode.
- They may continue to generate heat even when there is no visible sign of fire. Once the heat reaches a certain level, fires may reignite.
- Lithium-ion fires burn much hotter than a typical fire.

### KNOW THE SIGNS

When possible, closely inspect batteries for any sign of damage. Stop using the battery if you notice these problems:



### LITHIUM-ION SAFETY 101

IF YOU OBSERVE A LITHIUM-ION FIRE, LEAVE THE AREA, CLOSE THE DOOR, AND CALL 9-1-1.



- Always follow the manufacturer's instructions.
- Only use the battery that is designed for the device.
- Only use the charging cord that came with the device.
- Do not charge a device under your pillow, on your bed, or on a couch.
- Keep batteries at room temperature when possible.
- Do not charge them at temperatures below 32°F or above 105°F.
- Store batteries and devices away from anything that can catch fire.
- Never touch a ruptured battery. The heat and/or chemicals can cause severe burns.

## ENERGIZE WITH CARE