



Lithium-Ion Battery Fire SAFETY INFORMATION



A Guide On What To Do If You Are Near A Lithium-Ion Battery Fire

DETECTION



Thermal runaway, leading to a lithium-ion battery involved fire can be detected with a **loud pop and hissing noise** followed by a large amount of **initially white smoke** quickly followed by **dark smoke** that is highly **toxic and flammable**. **The smoke can ignite within seconds.**



FACTS

Lithium-ion battery fires that resulted in fatalities have **increased** in recent years. Fires involving lithium-ion batteries may result in rapid ignition and **explosions** strong enough to tear off walls, ceilings, windows and garage doors. Even after the fire has been extinguished, it can reignite at any given moment.

SAFETY STEPS

- 1 EVACUATE**
The fire **cannot** be extinguished by you. Evacuate safely upwind away from smoke (advised to be 330ft (100m) away from the device).
- 2 CALL 9-1-1**
Call 9-1-1 to **report a fire** involving Lithium-ion batteries.
- 3 INFORM**
Inform individuals **nearby** that there is a fire involving Lithium-ion batteries.

PREVENTION

- Ensure that the battery has undergone rigorous testing and has a trusted certification mark such as a UL (Underwriter Laboratory) or a CE marking.
- Only use the charger that **came with the device**.
- Do not **overcharge** devices.
- Do not store/charge on a **bed, pillow or blanket**.
- Do not use or charge **damaged or wet** batteries.
- Charge in a well **ventilated** area.
- Keep batteries at **room temperature**. Do not charge them at temperatures below 32°F (0°C) or above 105°F (40.5°C).
- Avoid throwing batteries in the trash. Take them to an accepted recycling facility instead such as but not limited to, Battery Bill LLC or Island Recycling for a small fee.