Lithium-ion batteries can be found in a number of widely used devices, including e-mobility devices (e-bikes / scooters), electric vehicles, portable energy storage systems, and solar installations. It’s important to identify lithium-ion battery fires due to the unique threats caused by the batteries.

**Lithium-ion Battery Uses**

- **Cellphones**
- **Backup Batteries**
- **Laptops**
- **Electric Vehicles**
- **Commercial & Residential Solar Installations**
- **Electric Bikes & Scooters**

Problems with lithium-ion batteries may lead to **thermal runaway**, which could cause the battery to **explode**.

Fire extinguishers **may not be effective** against the fire. In many cases **only water** can be used to extinguish the fire.

**How to Identify a Battery Problem**

1. **Sweet burning electrical odor emitted from the battery**
2. **Change in the battery color**
3. **Change in the battery or device shape**
4. **Noises or leaking coming from the battery**

**Remind Your Community**

1. **Purchase batteries or battery-powered devices from reputable retailers.**
2. **Never leave charging devices unattended, and never charge them while sleeping.**
3. **Store batteries in a cool, dry place.**
4. **Unplug devices when fully charged.**
5. **Never charge devices in areas that may block an exit in case of a fire.**