



KEY WEST FIRE DEPARTMENT FIRE MARSHAL'S OFFICE

Dangers of E-Bike, E-Scooter, and Lithium-Ion Batteries Information Sheet

Safety Tips and Precautions:

Fires caused by E-Bike, E-Scooter, and lithium-ion batteries have increased dramatically nationwide. In some cases, with deadly consequences. These rechargeable batteries are found in electric bikes, mopeds, and scooters. Damaged or unstable batteries and improper charging, storage or disposal can cause the batteries to overheat, leading to an explosive, aggressive fire that spreads rapidly, can reignite, and is challenging to extinguish.

- **Use approved batteries:** Only Purchase and use devices that have a reputable testing agency mark such as UL. These show that the product has been safety tested.
- **Use the wall outlet:** Always plug directly into a wall electrical outlet for charging.
- **Store in open spaces:** Batteries should be stored away from anything flammable. (Ex. Pillow, bed, or couch).
- **Keep away from heat:** Keep batteries and devices at room temperature, keep away from direct sunlight and any heat source such as a radiator.
- **Use supplied charger:** Follow the manufacturer's instructions for charging and storage. Use the correct cord and power adapter made specifically for the device.
- **Make sure you can get out:** Never block your primary way in or out of a room/apartment.
- **No overnight charging:** Do not leave devices unattended while charging or charge them overnight.
- **Dispose of batteries safely:** Do not place lithium-ion batteries in a trash or recycling bin. Contact Waste Management or City of Key West to locate a battery recycling center in your local area. Find one at www.cityofkeywest-fl.gov
- **Install smoke alarms in every bedroom.** They should also be outside each sleeping area and on every level of the home.
- **Test all smoke alarms at least once a month.** Press the test button to be sure the alarm is working.

Fire and Emergencies:

- If a battery overheats or you notice an odor, change in shape/color, leaking or odd noises from a device, stop using immediately. If safe to do so move the device away from anything that can catch fire and call 911.
- If you observe a lithium-ion battery fire, leave the area, close the door, and call 911 immediately.
- Lithium-ion batteries are known to unexpectedly re-ignite minutes, hours, and even days after all visible fire has been put out.
- Water and fire extinguishers do not work on lithium-ion battery fires.