

# MICRO-MOBILITY DEVICES



With lithium-ion batteries being the main source of power for e-bikes, e-scooters, and hover boards, it is important to know how to keep yourself safe while using, charging, and storing these devices. Fires from these battery-operated devices run hot, emit toxic gasses, and can prove to be a challenge to extinguish.



According to the Allied Market Research, the global micro-mobility market is expected to grow from \$40 billion today to \$215 billion by 2030.



Orange County  
Fire Authority

(714) 573-6200  
ocfa.org



## Safety Tips

- Only purchase and use devices, batteries, and charging equipment that is listed by a Nationally Recognized Testing Lab (NRTL)
- Know the manufacturer instructions and safety tips for use, storage, charging and maintenance
- Never overload an outlet when charging the micro-mobility device
- Store and charge the device away from exit doors and anything else that can catch fire
- Only allow repairs to be performed by a qualified professional

## Charging and Disposal

- Charge the device properly and only with the cords that came with the device
- Unplug the device once it is fully charged
- Don't charge batteries when the environment is below freezing (32°F) or too hot (130°F)
- Never throw lithium-ion batteries in the trash
- Contact your local recycling center or waste management department for proper disposal

**Warning Signs** - stop using your e-bike or e-scooter if any of the following occur with the battery:

- Unusual odor
- Change in color
- Too hot to the touch
- Change in shape
- Not keeping a charge
- Smoking or sparking when plugging in
- Unusual Noises (popping, hissing, buzzing)
- Leaking of liquid

## If a Fire Occurs

- Leave the area immediately as the batteries emit toxic gasses and burn extremely hot, with explosions occurring in seconds
- Call 9-1-1
- DO NOT try to fight the fire