

NEWPORT BEACH FIRE DEPARTMENT PRESENTS: LITHIUM-ION BATTERY SAFETY

Lithium-ion batteries are essential for powering various devices, ranging from smartphones and laptops to e-scooters and cars. However, it's crucial to handle them with care. If these batteries are mishandled or damaged, they have the potential to catch fire or even explode. Awareness of proper usage and storage practices is essential to reduce these risks and ensure the safety of both individuals and property.

THE PROBLEM:

- Lithium-ion batteries store a large amount of energy in a small amount of space.
- Batteries are not being used the correct way.
- Like any product, a small number of these batteries are defective which can over-heat, catch fire or even explode.

SAFETY TIPS:

- Purchase and use devices that are listed / certified by a qualified nationally recognized testing laboratory.
- Only use the battery that is designed for the device.
- Follow the manufacturers instructions for storage, use, charging and maintenance.
- Place batteries in the device the correct way.
- Only use the charging cord that came with the device.
- Do not charge device under your pillow, on your bed or anything combustible.
- Disconnect device from charger once fully charged.
- Plug device charger directly to electrical wall outlet.
- Do not charge devices for long periods of time or while sleeping.
- Do not use battery if there are any signs of damage.
- Keep batteries at room temperature and away from heat or direct sunlight. Do not charge them at temperatures below 32°F or above 105°F.

ADDITIONAL IN-HOME SAFETY MEASURES:

- Make sure CO / smoke detectors are operational throughout residence and have a minimum 5lb certified ABC extinguisher readily available.
- Keep clear of charging large portable devices near exits, doors, or stairwells. These are vital escape routes during emergencies.

STOP USING DEVICE / BATTERY IF:

- Notice an odor while charging or there is a change in color or shape of battery.
- Overheat / hot to the touch or leaking or odd noises are coming from the device.

If safe to do so, disconnect the device and move device away from anything that can catch fire and call 9-1-1.

BATTERY DISPOSAL:

- Recycle, Recycle, Recycle! Do not put batteries in the trash.
- Take batteries to household hazardous waste sites. For more info visit links: [OC Landfill Household Hazardous Waste](#) or [OC Health Household Hazardous Waste](#)
- Individually bag batteries or tape ends when properly disposing.



SAFETY • SERVICE
PROFESSIONALISM

P.O.W.E.R

Unlock the P.O.W.E.R of safety with this simple acronym to ensure your lithium-ion batteries are handled with care and caution:

P– Proper handling : Always handle lithium-ion batteries with care, avoid mishandling, or over-charging.

O– Original chargers / products: Use only original chargers and accessories recommended by manufacturer. Purchase products from trusted, verified sources.

W– Watchout: Keep a vigilant eye for any signs of any potential safety hazards.

E– Environment factors: Store lithium-ion batteries in cool, dry environments away from direct sunlight and extreme temperatures to prevent from overheating.

R– Replace: Replace lithium-ion batteries when they show signs of deterioration, reduce performance, or after reaching their recommended lifespan to maintain safety and efficiency.

