

EV FIRE RISKS



BATTERY THERMAL RUNAWAY

Cause: Damage, overheating, overcharging, or manufacturing defects in lithium-ion batteries.

Effect: A chain reaction within battery cells leads to a rapid increase in temperature, gas release, fire, and potential explosion.



CHARGING INCIDENTS

Cause: Faulty charging equipment, poor wiring, or improper use of extension cords.

Effect: Electrical fire at charging stations or at-home chargers.



BATTERY DAMAGE IN CRASHES

Cause: High-impact collisions can puncture battery packs.

Effect: Short circuit and thermal runaway.



WATER EXPOSURE (ESPECIALLY SALT WATER)

Cause: Flooding or submersion, particularly in saltwater environments.

Effect: Corrosion and short circuits over time.
Real-World Example: Some EVs caught fire days after being flooded during hurricanes.

ENSURE AN EV CAR EXPERT CAN INSPECT THE BATTERY FOR DAMAGE