

# EV-CAR SAFE

**CERTIFIED FIRE DETECTION AND SUPPRESSION  
FOR ELECTRIC VEHICLE PARKING AREAS**



**EV-Car Safe is a compact, fixed fire protection system designed for electric vehicle parking spaces. It combines thermal detection with targeted water discharge beneath the vehicle battery to rapidly control heat release, limit fire spread, and protect nearby vehicles and infrastructure.**



**EV-CAR SAFE - Certified fire protection system. Third party tested in live full scale thermal run-away scenarios...**

## DESIGNED TO PROTECT

EV-CAR SAFE is an innovative solution designed to protect electric vehicles from fire. It is an all-in-one thermal detection and fire suppression device specifically designed for EV parking spaces.

Key features

- Compact fixed unit installed directly in each EV parking space or charging point.
- Integrated thermal detection with targeted water discharge.
- Automatically activates when a preset temperature threshold is reached.
- Releases water through nozzles to cool the underside of the vehicle where batteries are located.
- Helps prevent fire spread and significantly reduces smoke generation.
- Provides fast, reliable, and effective protection for EV parking environments.

The system continuously monitors temperature and, when activated, opens the water valve to direct cooling water beneath the vehicle's battery area, helping to control thermal events before they escalate.

## DESIGNED TO RESPOND

Key operational features

- Integrated thermal detection continuously monitors temperature beneath the vehicle and automatically sends alerts when abnormal heat levels are detected.
- Compatible with Building Management Systems (BMS) and fire alarm systems, enabling seamless monitoring, alarm signalling, and coordinated emergency response.
- Optional remote communication activates camera monitoring, allowing operators to visually assess the vehicle and react immediately.
- Installed directly beneath the EV battery area, delivering rapid targeted water discharge to control heat release and reduce the risk of tyre ignition.
- Tridimensional diffuser nozzles provide wide-area protection for the vehicle, while also helping shield neighbouring vehicles and surrounding structures.
- Built with Fire Fighter safety in mind.





## WHERE TO INSTALL EV-CAR SAFE?

Easily integrates with your existing infrastructure—no major construction required.

- Can be connected to your current water supply (domestic network, Hose reel supply, hydrants, sprinklers, etc.).
- Requires only a maximum flow of 100 lpm at 5 bar pressure, just like a standard hose reel.
- Stand Alone option: allows fire-fighters to connect from a remote point and activate the system from a safe distance.
- Easy installation. Light weight. 15kg.

### Perfect for:

- Parking spots and charging stations.
- Electric vehicle charging hubs, car dealerships.
- Ferries, EV Freight vessels
- Underground car parks
- Residential and Commercial Parking



## KEY BENEFITS

- Immediate containment during the early stages of a fire.
- Enables rapid alerts so action can be taken quickly, preventing irreversible damage.
- Battery cooling to stop fire development and minimize consequences.
- Controls heat and reduces fire intensity to prevent it from spreading to other vehicles or structural elements.
- Supports safe evacuation and protects lives.
- Assists fire-fighters, improving intervention situation and lowering direct exposure to hazards.
- Certified system, real-world tested with 100% electric vehicle fire scenarios.

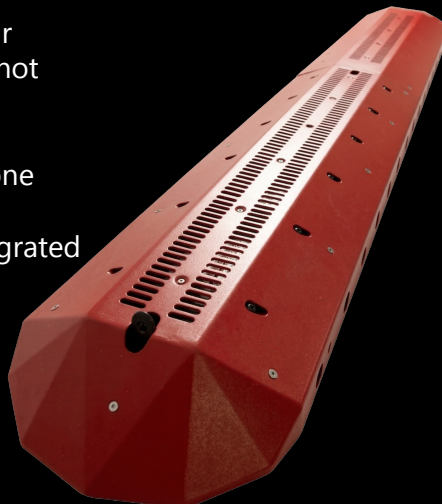
## AVAILABLE IN MULTIPLE VERSIONS

### Stand Alone Model.

Features discharge nozzles and a linear heat-sensing cable. Discharge button not included.

### Model with Control Unit in Cabinet

Offers all the benefits of the Stand Alone model, plus a wall-mounted cabinet with integrated control unit.



### Model with Pedestal

Includes all Stand Alone model features, plus a pedestal with activation button.

### Detector Model

Equipped with a linear heat-sensitive detection cable. Does not include discharge button or water release system.



# COMPLEMENTARY CERTIFIED THERMAL RUN-AWAY PROTECTION MEASURES

## EQUINOX FIXED & PORTABLE LI-ION BATTERY FIRE SUPPRESSION SOLUTIONS

POWERED BY COLD FIRE.



### How Cold Fire® Works

Cold Fire® is a PFAS free water additive that acts on two fronts simultaneously to kill fires that water alone cannot touch:

- 1. Rapid Cooling** (The Heat Thief): Cold Fire has an extraordinary capacity to absorb heat. It cools surfaces 21 times faster than water, removing the energy required for the fire to sustain itself. This is critical for lithium-ion thermal runaway.
- 2. Encapsulation** (The Fuel Lock): The agent creates a molecular "cocoon" around the fuel source—encapsulating hydrocarbons and electrolyte vapours to prevent re-ignition.



### EQUINOX SPRINKLER

EQUINOX Sprinklers are certified to completely suppress a fully developed EV Car fire preventing car to car spread and car to structure heat transfer with zero reignition.

### EQUINOX-HOSE REEL

EQUINOX hose reels are third party tested to extinguish a fully involved EV Car fire in thermal runaway in 5 minutes using under 500L water with zero reignition.

### EQUINOX-HP MIST

EQUINOX-HP Mist systems are certified to stop li-ion battery pack to pack thermal runaway propagation with zero reignition



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