

**ecell-guard**



# GENUINE SAFETY

BY AUTOMATED FIRE PROTECTION FOR ELECTRO VEHICLES

# THE AUTOMATED PROTECTION SOLUTION

IN CASE OF LI-ION BATTERY FIRES

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**When every second counts, nothing matters more than protecting lives, property, and our environment. Electric vehicles with Li-ion batteries bring unique challenges to firefighting – challenges that demand a smarter, faster solution.**

The moment the ecell-guard sensor system detects the earliest signs of a battery fire, it springs into action. Within seconds, the protective blanket covers the vehicle, smothering the flames, containing extreme heat, and guiding hazardous gases safely outside – all fully automatically, without anyone having to take a risk.

**This protective shield prevents costly damage to buildings and nearby vehicles, while safeguarding the lives and well-being of rescue teams.**

## Your Benefits at a Glance

### **Automatic activation**

Zero risk to humans.

### **No water damage**

Buildings and the environment remain intact.

### **Controlled gas discharge**

Prevents dangerous pressure build-up and reduces harmful smoke.

### **Low maintenance**

a simple annual visual inspection is all it takes

# YOUR REAL SAFETY

## IN THREE AUTOMATED STEPS

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### 1 > THE WARNING SYSTEM

Early detection through multiple sensors and a connected fire alarm system. Visual and acoustic alerts activate before deployment, giving the system time to link directly with emergency services or any programmed recipients.

**Vds-certified components | connect up to 25 systems per fire alarm panel | low-maintenance | Fully operational even during power outages**



### 2 > THE AUTOMATIC ACTIVATION

At the first sign of danger, the blanket is deployed automatically over the vehicle – no hesitation, no human risk. The system unit is the heart of the system, seamlessly linking each component and coordinating every stage of fire control.

**Storage system is low-maintenance | reusable after activation**



### 3 > THE CONTAINMENT

Once deployed, the blanket drastically reduces the spread of flames and toxic smoke. By cutting off oxygen, it extinguishes conventional fires and shields the battery, which may continue to burn internally.

**Fire containment blanket is part of the system - Certified for continuous temperatures up to 1.200 °C (short-term up to 1.600 °C)**

# FIRE CONTAINMENT BLANKET

certified • system tested • immediately active



## STANDARD-COMPLIANT AND OPTIMIZED

Our high-performance materials meet DIN SPEC 91489 standards, purpose-built for ecell-guard, and fully certified.

## EXTREME TEMPERATURE RESISTANCE

Special mineral-coated high-temperature fabric withstands up to 1.200 °C permanently, and even 1.600 °C for short periods.

## RELIABLE SUPPLY CHAIN

We work only with certified specialist manufacturers, testing every type of blanket for performance and compatibility.

## OPTIONAL BRANDS & MATERIALS

On request, we can integrate alternative fabrics, such as silicone-coated fiberglass for enhanced chemical resistance.

**OUR STANDARD:  
ONLY THE BEST!**

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PROVEN SAFETY



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