



ELEKTIGER

EV FIREFIGHTING SOLUTION

HANCOM
LIFECARE

ELEKTIG



EV Fire Response PROCESS

Spread Prevention Initial suppression of EV Fire



Initial fire suppression using a fire monitor connected to the water supply



Fire suppression and toxic gas blocking using a fire blanket

External Cooling Cooling the lower battery of the vehicle



Connecting a fire hose to the underbody spray device



Cooling the underside of the vehicle and battery by placing the underbody spray device

※ The step-by-step fire suppression process may be partially adjusted depending on the risk situation.

ER

A New Standard for EV Fire Response

ELEKTIGER, Hancore Lifecare's new brand for EV fire response, presents a new safety paradigm for the electric vehicle era.

Traditional firefighting methods cannot handle the explosive heat propagation and re-ignition risks of lithium-ion batteries.

Based on scientific data and field experience, ELEKTIGER provides integrated solutions for each fire scenario—from the moment a fire breaks out to complete suppression.

Hancore Lifecare has redesigned its corporate philosophy of "protecting lives" under the name ELEKTIGER, and all the equipment introduced here shares this philosophy.

Hancore Lifecare continues to **protect lives through technology.**



Direct Cooling

Suppression of battery thermal runaway



Adjusting to vehicle height



Piercing the lower battery with Seesaw and injecting fire extinguishing water

Complete Immersion

Immersion and cooling of the vehicle battery



Covering the burning vehicle with an immersion tank



Injecting extinguishing water

SPREAD PREVENTION

EV FIRE BLANKET

Portable EV fire blanket for fire spread prevention

Blocks oxygen during a fire, suppresses flames and smoke, and blocks toxic gases. Usable even under intense heat, thanks to eco-friendly special flame-retardant coating technology.



SCA 6000

Premium EV Fire Blanket

- ▶ Made with eco-friendly carbon fiber fabric
- ▶ The central reflective tape allows for quick alignment with the center of the fire vehicle

SCA 6100

Standard EV Fire Blanket

- ▶ Made with flame-retardant fabric containing more than 80% silica
- ▶ Uses heat-resistant thread that withstands over 1000°C

Optional



Backpack



Carrier



Dedicated storage cabinet



EF 1000

Self-Standing Fire Monitor

One-person fire suppression device for hose spraying. Adjustable nozzle allows for focused or wide spray.

- ◀ Enables extended firefighting
- ◀ Easy to move with wheels



F-3

Fire Hose Reel

Automatically rewinds and organizes the fire house

- ◀ Quick fire hose management
- ◀ Easy to move with wheels



U 10

Underbody Spray Nozzle



High-speed spray device with upward omnidirectional nozzle for focused suppression

U 20

Underbody Spray Nozzle



High-speed spray device with two upward omnidirectional nozzles for focused suppression

EF 1600-N

Underbody Spray Nozzle



5 protruding holes at narrow intervals, high-speed spray device for intensive suppression and cooling; reinforced duralumin for improved ground contact

Underbody Nozzle System

Portable EV Fire Suppression Equipment

Connects to a fire hose to concentrate suppression on the lower battery section of the EV, cooling the battery area.



EF 1600-H Underbody Spray Nozzle



24 holes in 3 directions at narrow intervals, for intensive suppression and cooling of the battery and surrounding area

EF 1200-N Underbody Spray Nozzle



5 protruding holes at wide intervals for suppression and cooling when fire spreads around the battery

EF 1200-H Underbody Spray Nozzle



31 holes arranged in 3 directions at wide intervals, used for suppression and cooling when fire spreads around the battery

SEESAW

Fire Extinguishing Lance for EV Batteries

Applies the lever principle to the battery vehicle for fire suppression. By puncturing the battery section of a fire-involved vehicle and injecting fire-extinguishing water, the battery pack can be directly sprayed and cooled simultaneously.



Parts can be replaced for sustainability



Applicable to regular and SUV vehicles



Quick installation: within 30 seconds



Direct spraying and cooling inside the battery pack

How to Use SEESAW



1. Attach the nozzle tip



2. Connect the fire hose



3. Adjust to the vehicle's height



4. Place under the vehicle's battery pack



5. Penetrate with a hammer



※ SEESAW Nozzle in action



COMPLETE IMMERSION

M10-M119

Mobile Immersion Tanks

Set up in dedicated stands in indoor/outdoor parking lots, moved to the fire-involved vehicle in case of a fire.



Fast installation
15 sec by 2 people



Partial and Targeted Suppression
Enables partial/targeted suppression



M10

Portable immersion tank

For common areas and indoor parking lot storage

◀ Stored indoor parking lots



M119

For fire truck installation

Installed variably on responding fire trucks

◀ For Fire Trucks



Easy Storage

Can be stored in narrow spaces with a dedicated stand



Complete Fire Suppression

Uses battery immersion method



Optional EV Fire Flanket

Used for blocking toxic gases and flames

M20F

All-In-One Mobile Immersion Tank

Immersion tank for responding to EV fires in public or parking spaces. Direct immersion of the vehicle battery prevents fire at the source and suppresses battery thermal runaway.

011



All-in-one Fire Suppression Solution
Integrated product combining a fire blanket and immersion tank



Easy Installation
One-touch installation with a wire handle



Quick Setup Time
Can be installed by one person in under a minute



Easy Storage
Folding design allows storage even in tight spaces



Mobility
Easy to move with wheels



Suitable for confined spaces
Can be installed even in tight spaces

Combined type (Automatic + Spread Prevention + Immersion Tank)

A10S

Unmanned Automation System

Ceiling-mounted system for automatic fire suppression in case of fire.
Can be remotely controlled as needed.



Unmanned full suppression
No personnel, fully automatic system



Minimum Installation Height: 2100mm
Slimmed immersion tank can be installed
even in low-ceiling sites



Meets fire safety guide
Automatic suppression fulfills fire safety
requirements



Automatic Deploying Immersion Tank
When the tank descends, automatic
deployment to a submersion depth of 45cm

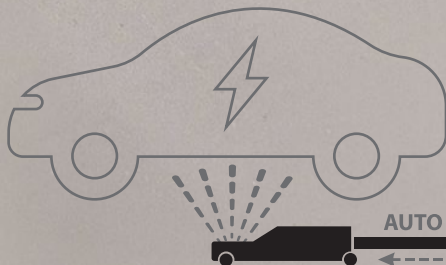
Combined Type (Automatic + External Cooling)



UA 10

Automatic Underbody Nozzle System

Underbody spray nozzle installed in parking lots, allows unmanned response to initial fires



It detects fire and operates automatically.



Unmanned automatic fire response
Automatically responds to initial fires upon flame detection



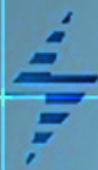
Built-in flame detector
Immediate fire detection with integrated flame sensor



Easy Installation
Simply fix the device in the desired location for quick setup



No location restrictions
Can be installed anywhere, including parking stops or other obstacles



ENERGY
STORAGE SYSTEM

118

98

ESS Fire Solution

Energy Storage System (ESS) Fire Spread Prevention

ESS fire spread prevention solution including sensors and devices for ESS and battery fires.

Custom Order Production & Manufacturing

The ELEKTIGER ESS fire spread prevention solution can be customized according to usage and installation site. Production is made to order through development requests.





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