



## EV/IC CAR FIRE BLANKET INSTRUCTIONS

### EV CAR FIRE BLANKET

The most common form of fires in EV/IC cars are caused by electrical issues. In the case of thermal runaway, the causes can be, battery aging, mechanical structural damage, overcharging and discharging of batteries, over voltage, external short circuits, etc. The thermal runaway of a battery cell propagates to adjacent battery cell either by fire or heat conduction, and further accumulation of heat leads to fires and explosions of the whole module.



EV/IC car fire blanket is the most efficient solution to isolate EV/IC car fires by depriving oxygen to fire, and contain flames and toxic fumes. It makes temperatures drop quickly which helps prevent damage to surrounding vehicles and property. EV/IC car fire blanket is made from technical fiberglass woven fabrics with special coating on both sides. It is robust enough to prevent the blanket from being punctured by hot metallic fragments. Sewing thread is a reinforced thread that can withstand high temperatures up to 1200. °C. Using this type of thread, the seams of blankets will not separate at high temperatures.

The blankets dimensions are:  
19.7' (6.0m) x 26.3' (8.0m)

### INSTRUCTION FOR USER

1. Call 911 if see smoke or fire that rises from the car. EV/IC car fire blanket is to be used by trained personal only. It requires 2 people for deployment.
2. Remove PVC bag that contains the EV car fire blanket from the cabinet and then remove from the PVC bag.
3. Place the EV car fire blanket on the ground directly in front of the car.
4. One person on each side of the blanket takes pull straps, and pulls the blanket over the car, make sure the blanket covers the entire area of the car evenly. During the operation, ensure to protect yourself from the flames, and pay attention to your hands as you pull the blanket over the fire.
5. In order to minimize air intake and smoke escape under the blanket, press down on the edge of the blanket with your feet to make the blanket tucked at either side.
6. Be aware that toxic fumes, once the blanket has been applied, move away from the area immediately and keep at least 15-meter safe distance. In the event that this is used inside a structure evacuate the structure immediately.



### INSTALLATION AND MAINTENANCE

1. Install the EV car fire blanket in a location easily accessible in case of car fire.
2. Wall mounted in a steel cabinet, this blanket is packed in a PVC bag and is convenient for one person to carry blanket to the fire.
3. Inspect the EV car fire blanket monthly.
4. This instruction card should be placed inside the cabinet.



### WARNING

1. The blankets are to be used by trained personal and should be applied only when it is safe to do so. If used properly and in accordance with this instruction card, the blankets may prevent the propagation of the car fire.
2. The blankets should be inspected on a periodic basis. Please refer to other sections of this instruction card for recommended use, installation, storage and inspection. If any damage to the fabric such as a tear or puncture is found the blanket should be discarded. Fire Blanket must be replaced after use.
3. You are responsible for using the blanket safely and as guided. You must handle sensibly and follow any safety instructions so as not to hurt or injure yourself or others.