



A UNIQUE
tool for **electric vehicles..**

Informs the mechanic whether the car can be touched or not. There are two indicators: EV-SaFe communicates this information with colors: green indicates it is safe to touch; red indicates it is not safe to touch.

Informs the mechanic about the lithium battery's temperature status, whether it is overheating or not, and if the battery system temperature is rising.

Allows for a Mini Charge with a domestic power outlet, enabling vehicle charging. It is important to remember that 80% of mechanics do not have electric charging stations, but with a domestic outlet at 3KW, we can charge cars up to 90KW. It is very useful to charge it to be able to move vehicle in the workshop. It will allow also the owner to move to the closest charging station.

RISKS OF ELECTRIC VEHICLES

What are the main risks involved in repairing electric vehicles?

The risk of electrocution is real. Anything above 60 volts is fatal; EV Vehicles are certified up to 1K volts, typically ranging between 400 and 800 volts, depending on the battery's state of charge and the car manufacturer. The Safety Cage can be damaged, and there may be voltage leaks that can severely harm not only the mechanic but also the Rescuer/firefighter, demolition worker, and evacuator.

The risk of fire is real. There are no effective tools to monitor if the battery temperature is rising. Therefore with overheating and overreaching 70 °C the risk of burning is real.

THE SOLUTION IS EV-SaFe

Our diagnostic device, EV-SaFe, will be useful to the mechanic and has 4 innovative functions that help reduce the two risks mentioned above.

Vehicle Lock. Total immobilization, especially useful during rescue operations after an accident. It also provides additional safety to the mechanic during repairs, ensuring that the car will not move even if the pedal is accidentally pressed or the car is started.

EV-SaFe FEATURES

The EV-SaFe diagnostic device has the following features:

Real-time updates. An automatic update is set every 20 seconds, allowing the mechanic to know if the battery and electrical circuit status are OK during maintenance.

Connection to a WEB application (which requires no installation). It connects to a phone via Wi-Fi and allows monitoring of:

- the **battery temperature** status;
- the **internal battery** status (it has its own internal battery for operation);
- the **safety** status regarding voltage leaks.

The device is certified and approved according to European standards. It requires an annual functionality check, where an authorized distributor will perform tests with a special tester and issue a certificate in electronic or paper format (approximately 20 parameters are checked).

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