

“ When working on an electric vehicle for a rescue or maintenance operation, specific safety measures must be taken to minimise both the **electrical risk**, caused by the high battery voltage, and the **mechanical risk**, caused by the fact that the vehicle may move unintentionally during the operation! ”



# EV-Safe

## BREMI

GERMAN TECHNOLOGY SINCE 1927

Today, electric vehicles represent the state of the art in the automotive world; for this reason, EV-Safe is already equipped with the latest technologies, such as a 32bit RISC microprocessor and a **WiFi interface** that allow the user to connect his smartphone and monitor EV-Safe's status in real time!



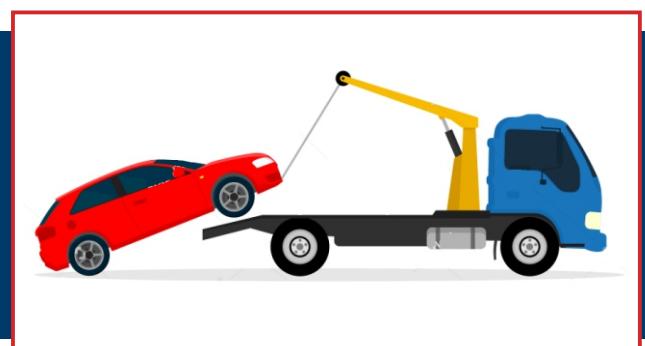
The EV-Safe is a particularly robust and very compact instrument, designed for autonomous use in demanding situations. Thanks also to its internal **lithium-ion battery**, it can be recharged from any power socket and is ready for use within minutes!

### Smartphone user interface via QR-Code direct Link



Thanks to the Point-to-Point Wi-Fi connection, the user can directly access the local mini-site to view information on the **vehicle's security status** without having to install a specific App!

**Electronic plug for securing electric vehicles:** EV-Safe connects directly to the charging socket, and after a few seconds enters into communication with the on-board electronic systems, from which it obtains critical information on the **electrical insulation of the batteries and immobilisation of the vehicle**, as well as the **temperature of the vehicle chassis**.



## EV-SaFe by BREMI is a technologically advanced product that combines three useful functions into one portable instrument:



**Electronic tester for diagnosing charging socket function:** EV-SaFe is not only a support for securing electric vehicles, but also a real **diagnostic** tool useful for testing the efficiency of the charging socket interface.



**Home charging station:** at the same time, when connected to the power grid, the EV-SaFe becomes a true **auxiliary charging cable**, capable of recharging the vehicle's battery in compliance with the highest safety standards!



Also available is the **MOTORSPORT** version for safety in the pit, during maintenance and in the event of an accident.

### Technical specifications:

- Charging connector integrated in the body of the instrument itself, compatible with Type-2 "Mennekes" socket found in most latest generation electric vehicles; (optional adapters for other socket types are available);
- 802.11 b/g/n compliant WiFi interface, direct connection to PC or Smartphone for access to the EV-SaFe's graphical interface for monitoring functions and/or to set up a connection to the local wireless network;
- Wireless control for opening the charging door of Tesla vehicles;
- Automatic internal software (firmware) update via WLAN-WEB;
- Implementation of the CP-PP communication protocol with the vehicle's electronic systems to confirm the efficiency of the electrical isolation of the battery's high voltage and the inhibition of the vehicle's motors;
- Built-in electrical contacts temperature sensor: indirect measurement of vehicle chassis temperature;
- Dual acoustic and LED signalling (a magnetic LED flashing bar is available as optional);
- 600mAh Li-Ion internal battery: estimated autonomy with Wi-Fi interface switched off: approx. 6h; autonomy with Wi-Fi interface switched on: at least 2h (with fully charged internal battery);
- Vehicle charging function with leakage current detection and eventual contactor blocking; nominal current 6A, maximum 10A (domestic/slow charging);
- Dimensions and weight: 182x70mm - approx. 590gr

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**EV-SaFe**

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Technologie für Sicherheit – Technology for Safety

[www.ev-safe.eu](http://www.ev-safe.eu)