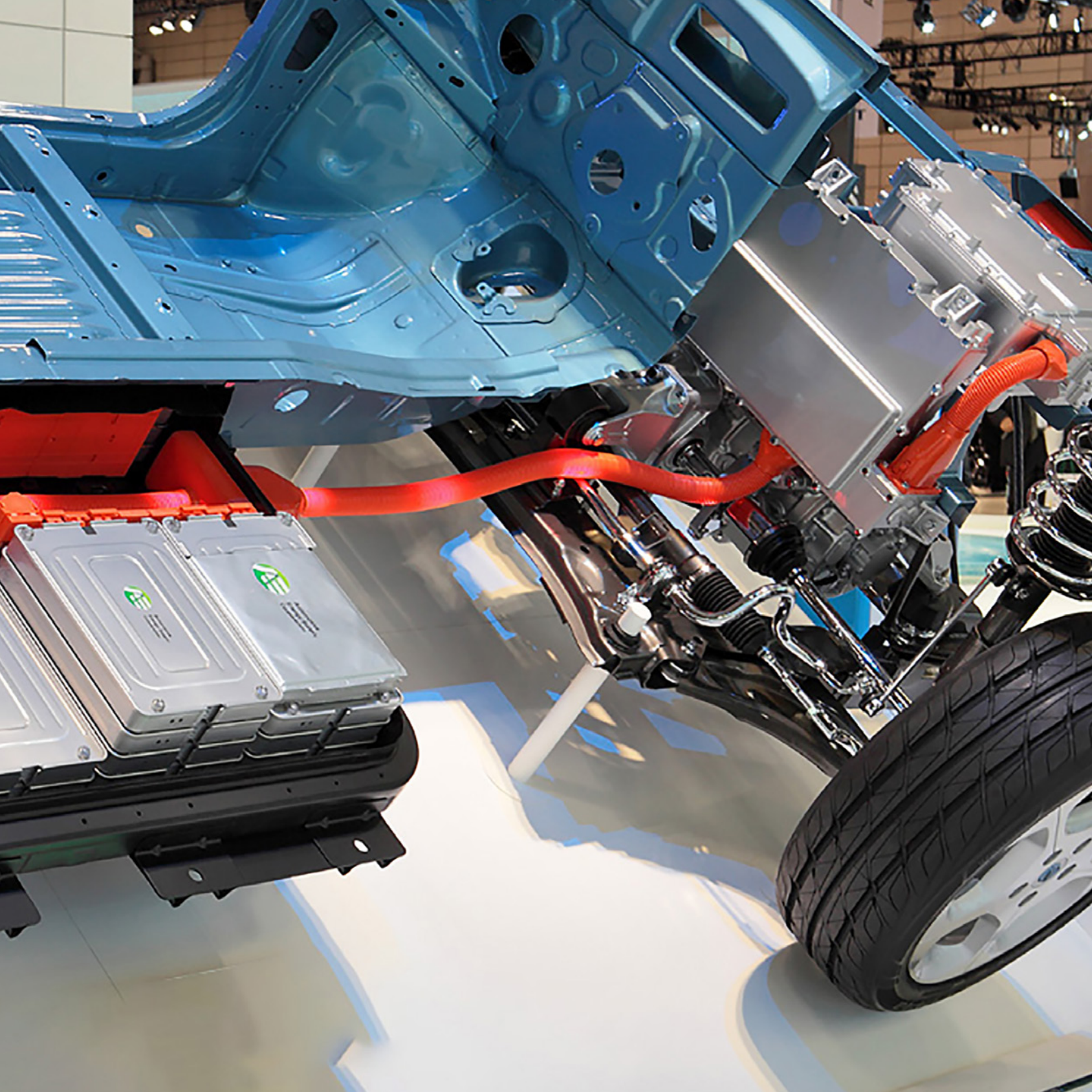
Squarell technology

technical vehicle data

Electric Vehicles



Electric Vehicle Parameters by Squarell

Because of the growing popularity in the use of electric vehicles (EVs), Squarell started analysing electric buses, trucks, light commercial vehicles and passenger cars to extract vehicle parameter data. Below are the Squarell parameters for electric vehicles.

By combining our data, we can provide insight into current kW consumption, driving behavior, charging process and battery usage, among many other things. It's possible to analyse electric vehicle performance data, but also the behavior of drivers of these vehicles. The battery usage data can provide insights that help improve battery life. Also, the charging process of your EV fleet can be monitored. With this, you have insight at all times into which EV vehicles are charging and which are not.

Live Electric Vehicle Data ($FMSEV1)

1. EV motor speed
2. EV motor torque
3. Average trip kW consumption
4. ECO-mode enabled
5. EV motor temperature
6. EV traction battery current
7. EV traction battery potential
8. EV battery state of charge
9. Remaining battery range
10. Remaining battery time
11. Charging cable connected/disconnected
12. Charging status
13. Remaining charging time

Electricity Usage Data ($FMSEV4)

1. Total discharged energy
2. Total discharged energy driving
3. Total regenerated charge
4. Total ignition on time
5. Total EV idle time
6. Total ignition time in park
7. Distance in brake regeneration
8. Time in brake regeneration

Squarell products and features

Our multi source vehicle data interfaces can process data from various protocols like CAN, J1708 and K-line, they are brand independent. The signals are retrieved with the patented CAN-cliQ and DatacliQ readers: for contactless data readings without a wire-to-wire connection.

The Squarell interfaces can be expanded with software and hardware extensions

SOLUTIONS

Advanced Tell-tales
Environment
Event Data Recorder
Maintenance
Safety
Tachograph

PRODUCTS

BE
CANcliQ and DatacliQ
Driver Awareness Panel
Power Output Module
REMOTE+
SOLID+
Trailer Box

VEHICLES

Buses and Coaches
Electric Vehicles
First Response Vehicles

INFORMATION

CAN bus Networks
Wired Networks
Wireless Networks

Squarell Technology
Delfweg 48 | 2211 VN Noordwijkerhout | The Netherlands
T +31 (0)252 42 03 11 | E sales@squarell.com | squarell.com

MEMBER OF BHG

20250626_EV_PVV