



**Components for efficient charging systems
and hybrid/electric drives**
around e-mobility

Inductive and resistive components around e-mobility

Mobility of the future with REO

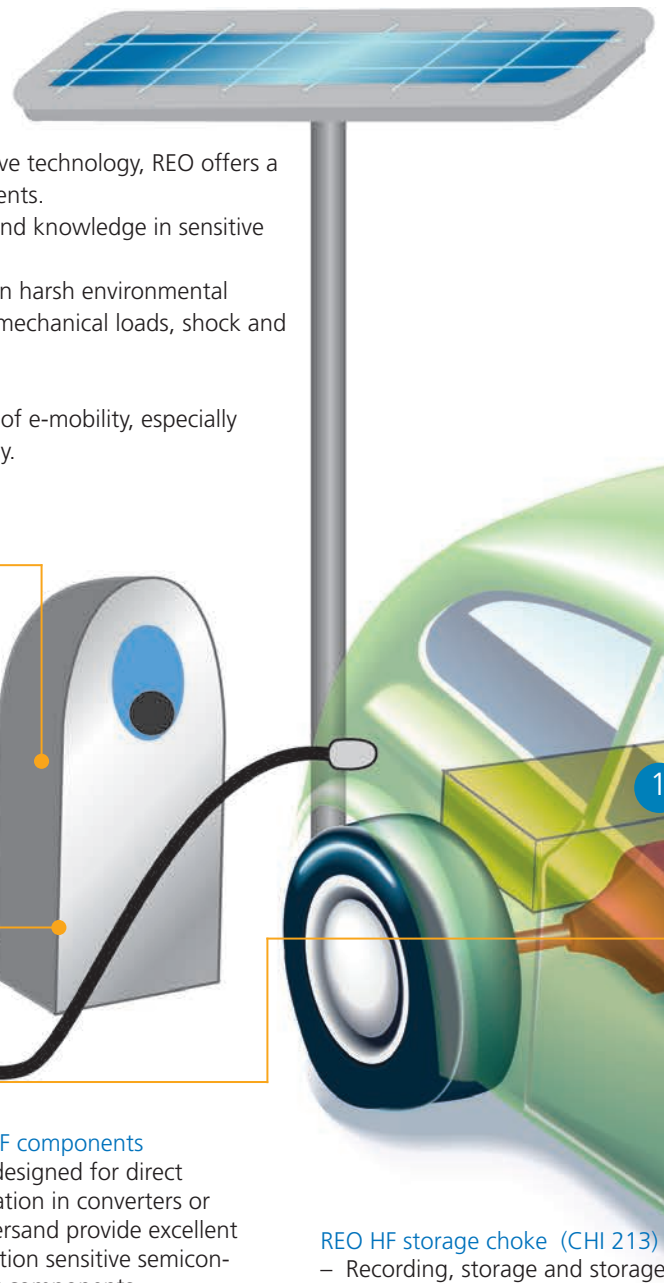
In times when the supply of electrical energy, especially in e-mobility, plays an increasingly important role, components that ensure efficient energy transmission and power quality are becoming increasingly important.

With decades of know-how in the field of energy conversion and drive technology, REO offers a broad range of products in the field of inductive and ohmic components.

In addition to the large portfolio, the company REO has experience and knowledge in sensitive areas such as railway engineering.

REO offers specialized solutions with high protection classes for use in harsh environmental conditions. In addition, our components provide high safety at high mechanical loads, shock and vibration, and also offer various cooling technologies.

This experience makes REO a powerful partner for the entire market of e-mobility, especially when it comes to the effective conversion and use of electrical energy.



REO EMC-filter
– with high attenuation, from simple to wide spectra, in practical housings for installation flexibility and to ensure low heat dissipation.

REO PLC-filter and circuit filter



REO single-phase transformers
– as a part of the reliable power supply, the components can be impregnated or built-in a robust housing to be protect against external influences completely.



REO HF components
– are designed for direct installation in converters or inverters and provide excellent protection sensitive semiconductor components.

REO PFC-choke (CHI 412)
– to filter harmonics of not linear components.

REO HF-transformer (HPTB)
– or HF transmitter for Powerful switching power supplies in half or Full-bridge push-pull switching or the resonance principle.

REO HF storage choke (CHI 213)
– Recording, storage and storage Output magnetic energy.

REO Common mode choke (CHI 131)
– used to build a high performance impulse filter, which eliminates noise in the inverter which occurs due to high frequency switching.

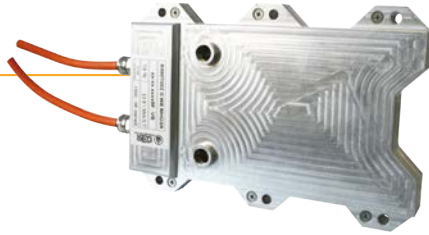
REO RF-transformers
– for battery chargers in electric automobile vehicles, with primary regulation based on the swinging-choke principle.



REO current transformer
 – in railway construction for AC/DC measurements up to 150 kHz are characterized by short response times and an excellent linearity.



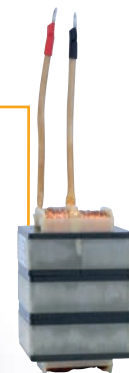
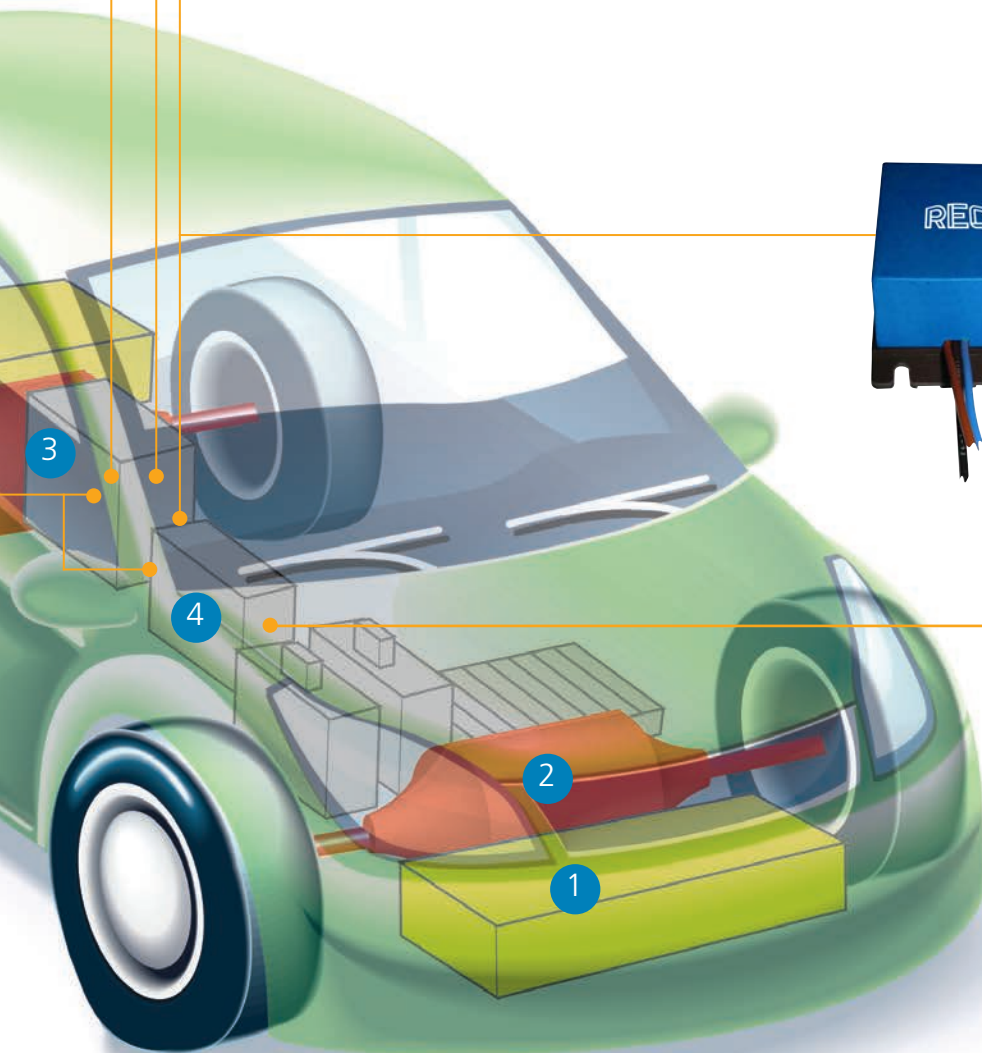
REO high current filter
 – in railway construction for AC/DC measurements up to 150 kHz are characterized by short response times and an excellent linearity.



REO braking resistor
 – In special aluminum profiles for fast temperature derivation or in water-cooled version, if special safety Action are required, provide a high power density in small room, various switching and combination possibilities for various applications, e.g. as a brake- or charging- or damping resistor.



REO brake chopper
 – for the conversion of brake energy at high speed changes without the use of additional electronics.



REO storage reactors
 – are provided by core selection and winding design for use in the DC-DC converter with electrical vehicles.

- 1 Batteries
- 2 Electric motors
- 3 Inverter
- 4 DC-DC-converters



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