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# E-Mobility with REO

## Load energy efficiently

The subject of electric charging stations continues to raise many questions. How will these stations be supplied? Will they also be available for private households? Are inductive loops or entire loading bays possible? Even how the power gets to the loading station is not yet certain. Ecologically sound methods would involve powering the charging station with electricity from solar panels - but for this, we have to find a way to convert the power already in the station. Here too, REO has the right solution for every application - just contact us!



### REO Wireless

For the proper loading of the electric vehicle (or other peripherals) by induction loop.

#### Benefits:

- Contact-free
- Free of wear
- Innovative
- Low weight
- Small dimensions

More products on the back!

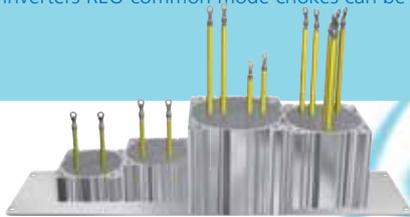
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### How can I ensure an efficient and compact charge?

...Or: REO-RF-Components

The REO RF-components reduce losses to a minimum. The fully encapsulated housing construction in the profile saves space and ensures a high level of protection. RF-chokes are used to absorb, store and release magnetic energy. For the construction of interference filters in inverters REO common mode chokes can be used.



### How can I measure how much electricity was taken?

...Or: REO Current transformers WKO High AT

Whether private or public charging station - we need to measure how much electricity was discharged from the charging station to the automobile. With REO-current transformers the delivered current is measured with high accuracy.



#### Specifications

Primary current 10 up to 2000 A
Nominal output current 100 up to 400 mA
Current transfer ratio 1:1000 bis 1:5000
Test voltage 5kV

### How can I regulate the charging current?

...Or: REO-power supply  
REOTRON SMP

With the use of adjustable power supplies specific charging conditions can be utilised. Optional interfaces are available as standard: Profibus DP, DeviceNet, CAN bus or RS 232.



### While charging, how can I eliminate disturbances?

...Or: EMC-Filter CNW 542

If a rectifier is used in the charging station, EMC and harmonics problems can be eliminated by the use of REO EMC filters, line reactors or harmonic filters. The single-phase line filter CNW 542 with small dimensions and can be mounted horizontally or vertically.

#### Technical data:

Nominal voltage 250 V
Nominal current 3 - 30 A
Inductance 13,6 mH
Leakage current <3,5 mA

