Smart Charging

Solutions for Electric Vehicle Communication and Charging Infrastructure
Smart Charging

We develop and produce hardware and software for communication between vehicle, charging station and backend. Our product portfolio ranges from communication modules for charging stations to complete functional safety controllers for automotive applications.

In addition, we advise you on the integration of our products, support you in the adaptation of software and interfaces and realize your special requirements as contract development.

- Charging Infrastructure
- Automotive
- Plug and Charge
- Bidirectional Charging
- Vehicle to Grid
- Smart Grid
**Our Products**

**Charge Control L**
- Functional safety according to ISO 26262
- Inlet temperature and lock monitoring
- Contactor control
- Complete CCS stack according to DIN 70121 / ISO 15118
- PP and CP monitoring
- Incl. Qualcomm QCA7005
- Diagnostics via UDS

**Charge Module S**
- Complete CCS stack according to DIN 70121 / ISO 15118
- Ready for PnC
- PP and CP monitoring
- Incl. Qualcomm QCA7005
- Easy to use CAN interface
- Update via CAN or UART
- Up to 7 additional GPIOs

**PLC Stamp Micro2 / Mini2**
- PLC according to ISO 15118-3 via SPI
- Based on Qualcomm QCA7005
Products in the Charging Station

AC Charging Station

Charge Module E

Charge Communication Module

- Integrates with your own hardware
- Complete CCS stack according to DIN 70121 / ISO 15118
- Ready for PnP
- PP and CP monitoring
- Incl. Qualcomm QCA7005
- Easy to use CAN interface
- Update via CAN or UART
- Up to 6 additional GPIOs

Charge Control C

Standalone AC Charge Controller

- Complete ISO 15118 SW Stack
- Contact and inlet control
- Plug and Charge (PnP)
- OCPP 1.6
- Customized applications can be implemented
- Embedded Linux with full access for customer

DC Charging Station

Charge Control M

Powerline Communication Controller

- Complete CCS Stack according to DIN 70121 / ISO 15118
- Plug and Charge (PnP)
- Customized applications can be implemented
- Embedded Linux with full access for customer

Charge Control D

Compact and cost-efficient DC Charge Controller

- Optimized for DC wall boxes
- Functional safety for temperature measurement and CP signal
- DIN 70121 / ISO 15118 compliant
- PP and CP monitoring
- OCPP
- Ready for Bidirectional charging acc. -20

Charge Module E

Charge Communication Module

- Integrates with your own hardware
- Complete CCS stack according to DIN 70121 / ISO 15118
- Ready for PnP
- PP and CP monitoring
- Incl. Qualcomm QCA7005
- Easy to use CAN interface
- Update via CAN or UART
- Up to 6 additional GPIOs

Vehicle & Charging Station

PLC Micro2 / Mini2

PLC Communication Module

- PLC according to ISO 15118-3 via SPI
- Based on Qualcomm QCA7005

DC Charging Station

Charge Control O

WiFi Communication Controller

- OppCharge compliant SW stack
- Customized applications can be implemented
- Embedded Linux with full access for customer
Welcome to the #nextlevel

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