

SMART CHARGING OF ELECTRIC VEHICLES

MORE THAN JUST A POWER SUPPLY!

telemotive
SOFTWARE SOLUTIONS
BY MAGNA

A red circle containing the text 'ISO 15118 PLC Stack' in white, sans-serif font.

ISO 15118
PLC Stack



TELEMOTIVE INTELLIGENT CHARGING

SMART CHARGING OF ELECTRIC AND HYBRID VEHICLES ACCORDING TO ISO 15118 AND DIN 70121

Telemotive Intelligent Charging allows error-free communication between the charging station and the individual vehicle variants via the charging cable.

Power Line Communication means more than just a power supply from the charging station to the vehicle. The charging cable also transmits data, thus making communication between vehicles and charging stations possible.

Telemotive Intelligent Charging provides a software solution for Power Line Communication (also known as Smart Charging or High Level Communication). It contains our custom-designed and ISO 15118-compliant PLC stack and is compliant with MISRA and AUTOSAR.

The charging process can be optimized considering time, schedule, cost and sustainable energy resources. Dynamic renegotiation of charging schedules due to environmental or user conditions changes can be realized and automated payment is enabled through Plug and Charge (P'n'C).

Thanks to the independent and modular design of the AUTOSAR components, our stack can be integrated in every control unit in the vehicle and is open-ended expandable for additional 3rd-party-specific services.

Our proven testing strategies guarantee top-notch quality. More than just a power supply!

- ISO15118-2 stack
- Power Line Communication
- Plug & Charge
- Embedded Linux
- Agile Software Development AUTOSAR
- Sustainability

