

INTERFLOW500

Simple vehicle side DC fast charging interface

The INTERFLOW500 is the next generation of a DC fast charging interface for electric vehicles and machinery. It is designed to be capable of carrying high current and to be modular and cost effective. It can be used as a standalone DC charging interface or in combination with an on-board charger (OBC), capable of controlling the DC charging session.

The communication unit, current measurement and relays enable charging of high-voltage batteries according to the CCS standard.



Features

- CCS 2.0 communication according to DIN70121 and ISO15118
- CAN communication with vehicle control
- Functional safety up to ISO26262 ASIL B
- Galvanically isolated HV current and voltage measurements
- Inlet according to IEC 62196-3
- Derating based on temperature sensors on the inlet (AC/DC)
- Control of connector interlock and LEDs
- Mainboard (interlock switch, temperature sensor)
- EMC cable glands (optional connector)

Specifications

System voltage	Up to 800 VDC
Current	< 500 A
Supply voltage	12 V / 24 V
System weight	8.8 kg
Ambient temperature	-40 – +85 °C
Protection class	IP67* and IK09

*higher class on request

