

INTERFLOW500-P

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

- HV connector
- HV switches
- Mainboard (interlock switch, temperature sensor)
- Galvanically isolated HV current and voltage measurements

Option charge control unit

- CCS communication according to DIN70121 and ISO15118
- GB/T communication AC and DC charging according to 27930
- CAN communication with vehicle control unit
- Functional safety up to ISO26262 ASIL B
- Inlet according to IEC 62196-3
- Derating based on temperature sensors on the inlet (AC/DC)
- Control of connector interlock and LEDs

Specifications

System voltage	1000 VDC
Current	500 A
Supply voltage	12 / 24 V
System weight	9 kg
Ambient temperature	-40 – +85 °C
Protection class	IP67 and IK09
Dimensions (L x W x H)	330 x 230 x 111 mm
Standards	IEC 61439-1, -2 (general) IEC 60664-1 (electric) ISO 16750 (environment)

