

# INTERFLOW500G

## 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

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

### Option charge control unit

- CCS 2.0 communication according to DIN70121 and ISO15118
- GB/T communication AC and DC charging according to 27930\*
- CAN communication with vehicle control
- 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

\*under development

### Specifications

<b>System voltage</b>	800 / 1000 VDC*
<b>Current</b>	350 / 500 A*
<b>Supply voltage</b>	12 / 24 V
<b>System weight</b>	9 kg
<b>Ambient temperature</b>	-40 – +85 °C
<b>Protection class</b>	IP67 and IK09
<b>Dimensions (L x W x H)</b>	330 x 230 x 111 mm

\*2 versions available

