

MEGAFLOW1500

vehicle side MCS charging interface

The MEGAFLOW1500 is the DC fast charging interface for next-generation electric vehicles and machines. Thanks to an innovative cooling system, it can be operated with both passive and active cooling and can therefore transmit high continuous currents. Thanks to its modular design, any connection configurations can be realized directly on the housing. It can be used as a stand-alone 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 new MCS standard.



Features

- Inlet: MCS Inlet or EMC cable glands
- Outlet: EMC cable glands
- HV Switches
- Mainboard (interlock switch, temperature sensor)
- Galvanically isolated HV current and voltage measurements
- Pressure balance elements
- Active cooling (optional)

Option charge control unit

- MCS communication according to IEC 61851-23-3 and ISO15118-20
- CAN communication with vehicle control
- Inlet according to IEC TS 63379
- Derating based on Inlet temperature
- Control of connector interlock and LEDs

Specifications

System voltage	Up to 1000 VDC
Current	1500 A*
Supply voltage	12 / 24 / 48 V
System weight	45 kg
Ambient temperature	-40 – +85 °C
Protection class	IP65
Dimensions (L x W x H)	585 x 356 x 210 mm
Standards & Norms	IEC 61439-1,-2 (general) IEC 60664-1 (electric) ISO 16750 (environment)

*with active cooling