

INTERFUSION800M-HP

High voltage distribution unit

With the **high-performance** high-voltage distribution system **INTERFUSION-HP** the main components battery, charger, inverter, motor and the fast charging system can be connected. In this combination of PDU and CCS interface, all positive connections are fused and the fast charging system is equipped with HV relays as well as current and voltage measurement. The integrated liquid cooling enables maximum charging power and a high rated current during operation.

Typical applications are electrified machines and vehicles with increased demands on power, robustness and safety in the off highway, marine and transport industries.



Features

- **New:** 2x high-performance connections up to 600 A rated current (liquid cooled)
Fused 175 A to 800 A
- 4x connections fused 60 A to 400 A
- 4x connections fused 60 A to 150 A
- 6x connections fused 5 A to 50 A
- Short-circuit bracket
- EMC glands
- Insulation monitor (optional)
- Mainboard (interlock switch, temp. sensor)
- Access for measuring tips with additional safety cover (disconnect)

Specifications

| | |
|-------------------------------|--|
| System voltage | Up to 800 VDC |
| Rated current | 750 A* |
| Peak current | 1450 A* |
| Supply voltage | 12 / 24 V |
| Fuse protection | Positive pole |
| System weight | 30 kg (fully assembled) |
| Ambient temperature | -40 – 85 °C |
| Protection class | IP6K9K |
| Dimensions (L x B x H) | 600 x 350 x 160 mm |
| Standards & Norms | IEC 61439-1, -2 (general) IEC 60664-1 (electric) ISO 16750 (environment) |

*with liquid cooling, time- & temperature-dependent

Charging communication

- CCS 2.0 communication according to DIN70121 and ISO15118
- GB/T communication AC- and DC-charging according to 27930
- CAN-communication with vehicle control (optional)
- Galvanically isolated HV current and voltage measurements