

# FUSION800

## HIGH VOLTAGE DISTRIBUTION UNIT



With the high voltage distribution system **FUSION**, the main components battery, charger, inverter, motor and optionally the fast-charging system get connected. All inputs and outputs are fused on both sides (positive and negative pole). Typical applications are electrified machines and vehicles with increased demands regarding robustness and safety, such as construction machinery, commercial vehicles and municipal vehicles.

### Features

- 6 batteries/inverter: 125 A, cable up to Ø 20,5 mm (optional: 60/70/80/100/150 A)
- 2 chargers: 100 A, cable up to Ø 15 mm (optional: 60/70/80/125/150)
- 1 DC-charger: 300 A, cable up to Ø 25,5 mm (optional: 175/200/250/350/400 A)
- 6 auxiliaries: 20 A, 2-core cable up to Ø 15 mm (optional: 10/15/25/30/35/40/50 A)
- Mainboard (interlock switch, temperature sensor)
- Ground connection
- EMC cable glands
- Pressure equalization diaphragm
- Shorting clip
- Access measuring points
- External safety marking
- Insulation monitors\*
- Interlock generator\*

\*Optionally available

### Specifications

- System voltage up to 800 VDC (switch-off capacity)
- Supply voltage: 12 V / 24 V
- Fuse protection on both sides (pos. and neg. pole)
- System weight: 16 kg
- Ambient temperature: -20 - +60 °C
- Protection class IP66 according to EN 60529 and IK 09 according to IEC 62262

