

FUSION1000M Dual

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 on robustness and safety, such as construction machinery, commercial vehicles and municipal vehicles. In addition, we offer specific advice on the use of high-voltage distribution unit and for fuse and cable design.



Features

- 3x connections 225 A to 400 A
- 1x connections 225 A to 300 A
- 4x connections 70 A to 200 A
- 6x connections 5 A to 50 A
- Short-circuit bracket
- Potential equalization
- EMC glands
- Pressure compensation element
- Insulation monitor (optional)
- Mainboard (interlock switch, temperature sensor)
- Access measuring tips with add. safety layer

Specifications

System voltage	Up to 1000 VDC
Rated current	500 A*
Supply voltage	12 / 24 V
Fuse protection	Positive and negative pole
System weight	20 kg (fully assembled)
Ambient temperature	-40 – +85 °C
Protection class	IP67 / IK09
Dimensions (L x W x H)	404 x 313 x 141 mm

* time- & temperature-dependent

