

FUSION450

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 and municipal vehicles. In addition, we offer specific consulting for the application of the **FUSION** and for fuse and cable dimensioning.



Features

- 4x connections up to 400 A
- 2x connections up to 125 A
- 4x connections up to 50 A
- Mainboard (interlock switch, temperature sensor)
- Potential equalization
- EMC glands
- Pressure compensation element
- Short-circuit bracket

Specifications

System voltage	Up to 450 VDC
Rated current	300 A
Supply voltage	12 V / 24 V
Fuse protection	Positive and negative pole
System weight	11 kg (fully assembled)
Ambient temperature	-20 – +60 °C
Protection class	IP65* and IK09

* higher class on request

