

FUSION450S

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

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

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* und IK09
Dimensions (L x W x H)	280 x 230 x 111 mm

** higher class on request

