

# 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 150 A to 400 A
- 2x connections 60 A to 125 A
- 4x connections 5 A to 50 A
- Short-circuit bracket
- Potential equalization
- EMC glands
- Pressure compensation element
- Mainboard (interlock switch, temperature sensor)

### Specifications

<b>System voltage</b>	Up to 450 VDC
<b>Rated current</b>	300 A
<b>Supply voltage</b>	12 / 24 V
<b>Fuse protection</b>	Positive and negative pole
<b>System weight</b>	11 kg (fully assembled)
<b>Ambient temperature</b>	-20 – +60 °C
<b>Protection class</b>	IP67 / IK09
<b>Dimensions (L x W x H)</b>	280 x 230 x 111 mm
<b>Standards &amp; norms</b>	IEC 61439-1, -2 (general) IEC 60664-1 (electric) ISO 16750 (environment)

