

# FUSION450

## HIGH VOLTAGE DISTRIBUTION UNIT



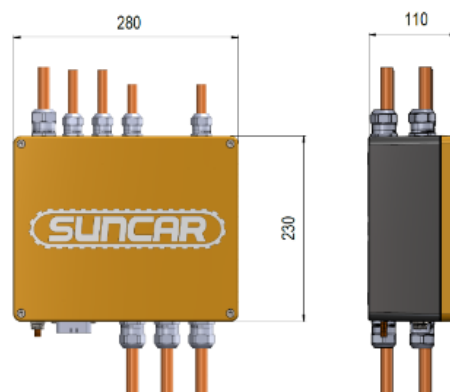
With the high voltage distribution system **FUSION**, the main components battery, charger, inverter, motor and optionally the fast-charging system get connected. All inputs and outputs are fused on both sides (positive and negative pole). Typical applications are electrified machines and vehicles with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

### Features

- 4x 300 A, cable up to Ø 20,5 mm (optional 150/200/250/350/400 A)
- 2x 100 A, cable up to Ø 15 mm (optional 60/80/125 A)
- 4x 20 A, 2-core-cable up to Ø 20,5 mm (optional 10/30/40/50 A)
- Mainboard (interlock switch, temperature sensor)
- Ground connection (EMC cable glands)
- Pressure equalization diaphragm
- Shorting clip
- External fuse marking

### Specifications

- System voltage up to 450 VDC (switch-off capacity)
- Supply voltage: 12 V / 24 V
- Fuse protection on both sides (pos. and neg. pole)
- System weight: 11 kg
- Ambient temperature: -20 - +60 °C
- Protection class IP65\* und IK09



\*higher rating on request