



subject to alterations, Doc-Version V1.0, 102947, 15.06.20

Factsheet FUSION800-102947-A

FUSION800

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

- 6x 125 A, cable up to Ø 20,5 mm (optional: 60/70/80/100/150 A)
- 2x 100 A, cable up to Ø 15 mm (optional: 60/70/80/125/150)
- 2x 450 A, cable up to Ø 25,5 mm (optional: 175/200/250/350/400/450/500/560/600 A)
- 6x 20 A, 2-core cable up to Ø 15 mm (optional: 10/15/25/30/35/40/50 A)
- Mainboard (interlock switch, temperature sensor)
- Potential equalization
- EMC cable glands
- Pressure equalization diaphragm
- Shorting clip
- Measuring points access with additional safety layer
- External safety marking
- Insulation monitors*

* optionally available

Specifications

- System voltage up to 800 VDC (switch-off capacity)
- Supply voltage: 12 V / 24 V
- Fuse protection on both sides (pos. and neg. pole)
- System weight: 20 kg (fully assembled)
- Ambient temperature: -20 - +60 °C
- Protection class IP65** and IK 09

** higher rating on request

