

# FUSION1000M Dual

## 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

- 3x connections 225 A to 400 A
- 2x connections 225 A to 300 A
- 4x connections 70 A to 200 A
- 4x connections 5 A to 50 A
- Short-circuit bracket
- Potential equalization
- EMC glands
- Pressure compensation element
- Insulation monitor (optional)
- Mainboard (interlock switch, temperature sensor)
- Access measuring tips with add. safety layer



### Specifications

<b>System voltage</b>	Up to 1000 VDC
<b>Rated current</b>	500 A*
<b>Supply voltage</b>	12 / 24 V
<b>Fuse protection</b>	Positive and negative pole
<b>System weight</b>	20 kg (fully assembled)
<b>Ambient temperature</b>	-40 – +85 °C
<b>Protection class</b>	IP67 / IK09
<b>Dimensions (L x W x H)</b>	404 x 313 x 141 mm
<b>Standards &amp; norms</b>	IEC 61439-1, -2 (general) IEC 60664-1 (electric) ISO 16750 (environment)

\* time- & temperature-dependent

