

# FUSION800M

## 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 and municipal vehicles. In addition, we offer specific consulting for the application of the **FUSION** and for fuse and cable dimensioning.



### Features

- 2x connections up to 600 A
- 4x connections up to 400 A
- 4x connections up to 150 A
- 6x connections up to 50 A
- Mainboard (interlock switch, temperature sensor)
- potential equalization
- EMC glands
- pressure equalization element
- Short-circuit bracket
- Access measuring tips with additional safety level
- Insulation monitor (optional)

### Specifications

<b>System voltage</b>	Up to 800 VDC
<b>Rated current</b>	500 A
<b>Supply voltage</b>	12 V / 24 V
<b>Fuse protection</b>	Positive pole
<b>System weight</b>	20 kg (fully assembled)
<b>Ambient temperature</b>	-40 – +85 °C
<b>Protection class</b>	IP67*

\* higher class on request

