

FUSION850M

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 225 A to 400 A
- 4x connections 70 A to 300 A
- 6x connections 5 A to 50 A
- Opt. connections (2 variants)
 - 2x 70 A to 300 A, 2x 5 A to 50 A
 - 4x 5 A to 60 A
- Short-circuit bracket
- Potential equalization
- EMC glands
- Pressure compensation element
- Insulation monitor (optional)
- Mainboard (interlock switch, temp. sensor)
- Access measuring tips with add. safety layer

Specifications

System voltage	Up to 850 VDC
Rated current	500 A*
Supply voltage	12 V / 24 V
Fuse protection	Positive pole
System weight	20 kg (fully assembled)
Ambient temperature	-40 – +85 °C
Protection class	IP67**
Dimensions (L x W x H)	404 x 313 x 141 mm

*time- & temperature-dependent

** higher class on request

