

FUSION800S-G

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 positive connections are fused.

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

- 1x connections 60 A to 800 A
- 3x connections 60 A to 400 A
- 4x connections 5 A to 50 A
- 2x unfused connection
- Short-circuit bracket
- Potential equalization
- EMC glands
- Pressure compensation element
- Interlock switch
- Insulation monitor PWM or CAN (optional)
- Temperature sensor (ambient and on busbar)

Specifications

System voltage	Up to 800 VDC
Rated current	300 A / 500 A*
Supply voltage	12 / 24 V
Fuse protection	Positive pole
System weight	15 kg (fully assembled)
Ambient temperature	-40 – +85 °C
Protection class	IP67 / IK09
Dimensions (L x W x H)	280 x 230 x 111 mm
Standards & norms	IEC 61439-1, -2 (general) IEC 60664-1 (electric) ISO 16750 (environment)

*time- & temperature-dependent

