

FUSION800S-P

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 poles are fused and can be easily disconnected with plug-in connectors. The **FUSION800S** is available in a **Passive** and **Active** version to meet the different requirements of various applications.

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 60 A to 800 A (300A cont.)
- 2x connections 60 A to 400 A
- 2x connections 60 A to 150 A
- 4x connections 5 A to 50 A
- Short-circuit bracket
- Potential equalization
- Pressure compensation element
- Mainboard incl. interlock switch, temperature sensor
- Access measuring tips with additional safety level

Option active features

- Insulation monitor
- Interlock generator*
- Fuse diagnostics*
- Overload monitoring*
- Pre-& discharge circuit*

*in development



Specifications

System voltage	Up to 800 VDC
Rated current	500 A*
Supply voltage	12 / 24 V
Fuse protection	Positive pole
System weight	20 kg (fully assembled)
Ambient temperature	-40 – +85 °C
Protection class	IP67 / IK09
Dimensions (L x W x H)	400 x 230 x 111 mm
Standards & norms	IEC 61439-1, -2 (general) IEC 60664-1 (electric) ISO 16750 (environment)

* time- & temperature-dependent

