

# FUSION800S

## 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 175 A to 600 A (300A cont.)
- 2x connections 175 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

<b>System voltage</b>	Up to 800 VDC
<b>Rated current</b>	500 A*
<b>Supply voltage</b>	12 / 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 / IK09
<b>Dimensions (L x W x H)</b>	400 x 230 x 110 mm

\* time- & temperature-dependent

