

# FUSION80

## 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

- 1x connection up to 160A
- 4x connections up to 150 A
- 4x connections up to 50 A
- Potential equalization
- EMC glands
- Pressure compensation element
- DC additional relay (optional)

### Specifications

<b>System voltage</b>	Up to 80 VDC
<b>Rated current</b>	240 A
<b>Supply voltage</b>	12 V / 24 V
<b>Fuse protection</b>	Positive and negative pole
<b>System weight</b>	6 kg (fully assembled)
<b>Ambient temperature</b>	-20 – +60 °C
<b>Protection class</b>	IP67 / IK09
<b>Dimensions (L x W x H)</b>	330 x 230 x 111 mm
<b>Standards &amp; norms</b>	IEC 61439-1, -2 (general) IEC 60664-1 (electric) ISO 16750 (environment)

