

# **Composition of New Energy High-Voltage Distribution Box**



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The design of high-voltage junction boxes is tailored to manage the complexities associated with high-voltage power distribution. They encompass various functionalities including, ...



To protect high-voltage, high-current on-board applications in electric and hybrid vehicles as well as off-board charging, we offer high-voltage fuses that have been built to meet the stringent requirements ...



The main parts of the high-voltage distribution box are shown in Figure 1. ① is the copper busbar, which is responsible for conducting electricity and connects ② relays, ③ cement resistors, and 4 shunts.



It is composed of high-voltage relays, fuses, and integrated chips that communicate with other vehicle modules to ensure the safety and reliability of the entire high-voltage system.



High-voltage wiring harness: a bundle of wires that connect various high-voltage components and are responsible for the transmission of electrical energy. These components together form the high ...



Eaton's high-voltage power distribution units (PDUs) and power distribution elements (PDEs) deliver power to all critical loads within the electric vehicle (EV) system -- including traction and ...



The high-voltage fuse box PDU (Power Distribution Unit) is composed of many high-voltage relays and high-voltage fuses. There are related chips inside it to realize signal communication with related ...



Designed for the demands of modern electric vehicles, this advanced component supports up to 800V of operating voltage, ensuring efficient and reliable power distribution across the vehicle's ...



The high-voltage power supply system of new energy vehicles studied in this report mainly includes modules such as Battery Management System (BMS), Battery Distribution Unit (BDU), high-voltage ...



The new energy electric vehicle high-voltage distribution box is the high-voltage and high-current distribution unit PDU of all pure electric vehicles and plug-in hybrid vehicles.

## Contact Us

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