

High-voltage distribution box apepd



Overview

The APD PDB500 is designed for high voltage and high current applications. This PDB can sustain up to 125A continuous to each ESC leg. High voltage distribution box is the control part of EV power supply, which has the functions of power distribution, current measurement, short circuit protection, charge and discharge control, pre-charging, manual emergency stop and insulation testing port. Features: 1) quick dial connector and. Recognized by Automotive News with a PACE Award, Aptiv's industry-first solid state electrical centers replace traditional melting fuses with smart fusing and electromechanical relays with solid state switches, reducing package size, mass and power dissipation while supporting increased content. The APD PDB500 is designed for high voltage and high current applications. Find products and reference designs for your system.

Article Content

Jul 19, 2026

Electrical Centers

High Voltage Electrical Centers Aptiv's power distribution units (PDUs) and battery disconnect units (BDUs) provide power distribution and circuit protection both outside and inside the battery packs of ...

Nov 21, 2025

High Voltage Power Distribution Unit

Below you will find our selection of High Voltage Power Distribution Units, each designed to meet the demands of modern electrification. Explore the models to review specifications, features, and ...

Dec 23, 2025

Power Distribution Boxes: A Complete Overview | Eventech

High-Voltage Power Distribution Boxes: Designed for industrial applications like factories and power plants, these PDBs distribute high-voltage power to circuits. They are capable of handling higher ...

Nov 02, 2025

high voltage distribution box

Our high voltage distribution boxes are designed to provide efficient and reliable power distribution for all your needs. Whether it's for industrial applications, events, or entertainment, SX ensures top-quality ...

Dec 12, 2025

APD PDB500 12S 52V 500A Power Distribution ...

The APD PDB500 is designed for high voltage and high current applications. It ...

Oct 13, 2025

High-voltage power distribution box design resources | TI

View the TI High-voltage power distribution box block diagram, product recommendations, reference designs and start designing.

Nov 08, 2025

High Voltage Power Distribution Unit

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 ...

Mar 16, 2026

High voltage power distribution units

The mHVDU 800 is a configurable solution designed by HUBER+SUHNER to distribute high voltage power efficiently within electric vehicles (EVs). Its modular design allows for customizations, ensuring ...

May 10, 2026

High Voltage Distribution Box – Rawsuns

High voltage distribution box is the control part of EV power supply, which has the functions of power distribution, current measurement, short circuit protection, charge and discharge control, pre ...

Jan 18, 2026

High voltage power box: distribution unit, OBC & DCDC | Valeo

The High Voltage Power Box combines the functionality of an Onboard Charger (OBC), a DC/DC converter and a PDU (Power Distribution Unit). The OBC is the interface between the car ...

Mar 15, 2026

APD PDB500 12S 52V 500A Power Distribution Board

The APD PDB500 is designed for high voltage and high current applications. It consists of 8 layers of heavy copper to sustain maximum current demand whilst dissipating minimal heat.

Contact Us

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