

Deye HV Control Box BOS-A-PDU-2

Product code: ME.BMS.DEYE.BOS-A



Deye BOS-A-PDU-2 – Advanced Control Unit for HV Systems with BOS-A Energy Storage

The Deye BOS-A-PDU-2 is an intelligent Power Distribution Unit specifically designed to work with high-voltage energy storage systems based on Deye BOS-A modules. It is responsible for managing communication, power distribution, and the safety of the entire battery pack. Thanks to its built-in protection, monitoring, and communication functions, the PDU-2 ensures stable, safe, and optimized operation even in the most demanding photovoltaic installations with energy storage capabilities.

Product variants

Index	Price
Deye HV Control Box BOS-A-PDU-2 ME.BMS.DEYE.BOS-A	Product prices only visible after login. If you do not have an account, please register.

Product description

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Key Advantages of Deye BOS-A-PDU-2:

Full Integration with BOS-A HV Systems – Designed as a central management component for systems composed of multiple battery modules.

Advanced Protection System – Built-in safeguards against overvoltage, overload, short circuit, as well as temperature and voltage control.

Intelligent Communication with Inverter and BMS – Supports RS485 and CAN protocols, enabling smooth operation and monitoring of the entire system.

Robust Design for Various Conditions – Adapted for use in industrial and commercial systems, ensuring reliability and long lifespan.

Remote Management and Updates – Compatible with Deye remote monitoring systems (Wi-Fi, LAN, GPRS) for maximum control over system status.

Safe Power Management – Controls the charging and discharging of the entire HV battery, ensuring voltage and temperature balance within the cells.

Technical Specifications:

Compatibility: Deye BOS-A HV modules

Operating Voltage Range: 160–1000 V DC (according to system configuration)

Protections: Overvoltage, overload, short-circuit, thermal

Communication: RS485, CAN2.0

Functions: Battery system management, inverter communication, operation control, and status monitoring

LED Indicators: Power, system fault, communication status

Mounting: Rack-mount or wall-mounted (depending on enclosure version)

Protection Rating: IP20 / IP65 (depending on enclosure version)

Operating Conditions: –20°C to +55°C, humidity 5%–85%, altitude up to 3000 m a.s.l.

Compliance: With Deye hybrid inverters and CE, IEC standards

An Essential Component for Deye HV Battery Systems

The BOS-A-PDU-2 is a crucial element for any Deye high-voltage energy storage system. With this control unit, you'll ensure full functionality, safety, and communication in extended PV systems with energy storage. It's perfectly suited for larger residential, commercial, and industrial projects.