

## DEYE HV Control Box BOS-GBS

Product code: ME.BMS.DEYE.01



The BOS-G series utilizes advanced LiFePO4 cell technology, which is characterized by excellent thermal stability, long lifespan, and high safety levels. Each battery module has a capacity of 5.12 kWh of energy, and the BOS-G series allows for easy system scaling.

With a recommended Depth of Discharge (DOD) of 90% and a lifespan of at least 6000 cycles at a temperature of 25°C, the BOS-G series offers maximum usable energy and long-term performance. The system operates in a wide temperature range from -20°C to 55°C, making it suitable for various environmental conditions.

The BOS-G series is equipped with a high voltage box (HVB750V/100A), enabling easy integration with existing power systems. It supports an operating voltage range from 120 to 750 V DC and a maximum charge/discharge current of 125 A, ensuring efficient energy transfer and compatibility with multiple inverters and chargers.

## Product variants

Index	Price
<b>DEYE HV Control Box BOS-GBS</b> ME.BMS.DEYE.01	Product prices only visible after login. If you do not have an account, please register.

## Product description

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Advantages of DEYE BOS-G (DEYE HV Control Box BOS-GBS):

The module is designed to fit in a 19-inch standard, allowing for easy installation and maintenance.

The LiFePO4 cathode material ensures high safety and long cycle life. The module features low self-discharge, can sit on a shelf for up to 6 months without charging, has no memory effect, and offers excellent charging and discharging properties.

Equipped with protection functions against over-discharge, overcharge, overcurrent, and high and low temperatures. The system automatically manages charging, discharging, and balances the current and voltage of each cell.

The entire module is non-toxic, non-polluting, and environmentally friendly.

Multiple battery modules can be connected in parallel to increase capacity and power. It supports updates via USB, optionally via Wi-Fi, and remote updates (compatible with the Deye inverter).

The operating range from -20°C to 55°C ensures excellent discharge properties and long cycle life.

Technical Specifications for the High Voltage Battery Control Box HVB750V/100A-EU (DEYE HV Control Box BOS-GBS):

Operating Voltage: 120~750Vdc

Nominal Charge/Discharge Current: 100A

Max. Charge/Discharge Current: 125A

DC Input Rating:  $12 \pm 2\%V/4.15A$

Operating Temperature Range: -20~55°C

Ingress Protection: IP20

Dimensions (W/D/H): 440x565x150mm

Weight: Approximately 15.5 kg