

Deye BOS-GM5.1 HV Battery

Product code: **ME.Battery.deye.01.bos-g**



The BOS-G series utilizes advanced LiFePO4 cell technology, known for its excellent thermal stability, long lifespan, and high safety standards. Each battery module has a capacity of 5.12 kWh, allowing for easy scalability of the system.

With a recommended depth of discharge (DOD) of 90% and a lifespan of at least 6000 cycles at 25°C, the BOS-G series delivers maximum usable energy and long-term performance. Operating within a wide temperature range from -20°C to 55°C, it is suitable for various environmental conditions.

The BOS-G series is equipped with a High Voltage Box (HVB750V/100A), enabling seamless integration with existing power systems. It supports operating voltages ranging 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
Deye BOS-GM5.1 HV Battery ME.Battery.deye.01.bos-g	Product prices only visible after login. If you do not have an account, please register.

Product description

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Benefits of DEYE BOS-GM5.1:

The module is designed for 19-inch rack mounting, facilitating easy installation and maintenance.

The LiFePO₄ cathode material ensures high safety and a long lifespan. The module features low self-discharge, capable of shelf life up to 6 months without charging, no memory effect, and excellent charge and discharge properties.

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

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

Allows parallel connection of multiple battery modules to increase capacity and power. It supports USB updates, optionally Wi-Fi updates, and remote updates (compatible with Deye inverter).

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

Technical Specifications of Deye BOS-GM5.1:

Battery Type: LiFePO₄ (LFP)

Nominal Voltage: 51.2 V DC

Nominal Capacity: 100 Ah

Nominal Energy: 5.12 kWh

Nominal Charge/Discharge Current: 100 A

Max Charge/Discharge Current: 125 A

Charge Temperature: 0~50°C

Discharge Temperature: -20°C to 55°C

Storage Temperature: 0°C to 35°C

Ingress Protection: IP20

Dimensions (W/D/H): 440x570x133 mm

Approximate Weight: 44 kg