

BESS-150

INDUSTRIAL AND COMMERCIAL ENERGY STORAGE CABINET

50KW 50KWH

- **HIGH CYCLE LIFE**

Can achieve 6000 cycles at 90% state of charge, effectively reducing total cost of owner-ship.

- **HIGHLY ADAPTABLE**

Strong environmental adaptability, can withstand up to 60 C

- **EASY TO STORE**

Due to its extremely low self-discharge rate (LSD) and no risk of sulfation, it can last up to 6 months.

- **FAST CHARGING SPEED**

High charge and discharge efficiency, reducing equipment downtime and saving more time

- **MORE SECURE**

Real-time monitoring of PDU for better system protection.

- **MORE PORTABLE**

Lithium batteries provide more watt-hours per kilogram while weighing only one-third of their SLA equivalents.



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Technical Parameters

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BATTERY PARAMETERS

Battery cell	LFP/100 Ah
Battery pack	51.2v 100Ah
Rated Voltage (V)	512V(10module series)
Rated energy (kWh)	50kWh
Voltage range (V)	448~576

INVERTER PARAMETERS

Inverter	Deye
Grid type	Three-Phase four-Wire
Rated charging and discharging power (kW)	50
Rated grid voltage (V)	AC380
Applicable grid frequency (Hz)	50
Rated current (A)	76
Total distortion rate of current harmonics	<3%
Power factor range	1(Ahead of schedule)~1(Lag)

BASIC PARAMETERS

Size: W*D*H (mm)	780*640*2000
Weight (kg)	625
Level	IP54
Operating temperature range (C)	-10~50 C
Relative humidity	0~95%
Altitude (m)	<2000
Cooling method	Air cooling (refrigeration, ventilation, heating)
Noise	≤75dB
System efficiency	≥90%
Fire protection system	Integrated
Messaging	RS485, CAN

Notes

*File version: 2026V1-EN

*Weight and Size of the battery module is based on the actual product, with a tolerance of * 3% allow

*Specifications may vary during continuous improvements, pls contactus for latest details.

*The installation of battery packs is related to product quality assurance, safe and stable operation. Please follow the requirements of the user manual for standardized installation, use, and routine maintenance