

BESS-P257

INDUSTRIAL AND COMMERCIAL ENERGY STORAGE CABINET

125KW 257KWH

- **HIGH CYCLE LIFE**

Can achieve 9000 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.



BESS-P257

Technical Parameters

125KW 257KWH
INDUSTRIAL AND COMMERCIAL
ENERGY STORAGE CABINET

BATTERY SIDE

Battery Type	LFP/314 Ah
Series-Parallel Configuration	1P256S
Rated Voltage (V)	819.2
Max Charge/Discharge Current (A)	157
Rated Capacity (KWh)	257
Operating Voltage Range (V)	716.8~921.6
Cycle Life	6000 cycles (100% charge/discharge, degrades to 80% capacity)

PCS AC SIDE

Grid-Connected		Off-Grid (Optional)	
Rated Voltage (V)	AC400V	Rated Voltage (V)	AC400V
Voltage Range (V)	-20%~15%	Voltage Range (V)	-20%~15%
Rated Current (A)	181A	Rated Current (A)	181A
Total Current Harmonic Distortion	<3%(more than 30% load)	Total Current Harmonic Distortion	<3%(resistive load)
Power Factor	-1~1	Unbalance Degree	100%
Frequency	50Hz/47Hz~52Hz(60Hz/57Hz~62Hz)	Frequency	50/60Hz

PV DC SIDE(Optional)

Max Accessible PV Power (kW)	120
Rated Voltage (V)	600V
Startup Voltage (V)	500V
MPPT Voltage Range (V)	200V~850V
Max Input Current (A)	50A+50A+50A+50A+
Max Short-Circuit Current (A)	60A+60A+60A+60A+
MPPT Quantity/Max String Count	2/4

BASIC PARAMETERS

Dimensions (W"D"H)(MM)	1845*1415*2381
Operating Temperature Range	0~50°C
Protection Class	IP54
Cooling Method	Intelligent Air Cooling
Fire Protection	Aerosol
Communication Method	TCP/IP

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