



PRODUCT OVERVIEW

53KWH/106KWH/173KWH outdoor cabinet BESS compatible with BYD blade LiFePO4 battery module and BYD BMS built-in. With HVAC/FSS (optional) and can be used in parallel. It is a compact and flexible BESS based on the characteristics of small C&I loads. IP54 protection, waterproof, dustproof and corrosion resistant electricity storage outdoor cabinet.

FEATURES

FLEXIBLE CONFIGURATION

- Simple structure, small footprint, flexible layout easy installation, operation and maintenance
- Modular design, power and capacity can be expanded

INTELLIGENT & FRIENDLY

- Reduces peak demand electricity cost, with considerable economic benefits
- Pre-assembled in the factory, simple operation, compatible with CAN / RS485 communication interface
- Compatible with hybrid and off-grid solar energy storage system
- Enables future expansion and provides higher power supply reliability and system redundancy

SAFE AND RELIABLE

- Built-in fire control, temperature control and warning system function for multiple security
- Multiple protection functions: low voltage, over-voltage, overcharging, over discharge protection, etc
- 5-Year warranty, more than 10-Year design life (6000 cycles)

BENEFITS

- Integrated design for easy transportation and installation
- Reduces system operating costs
- Can be used for a variety of backup purposes
- Supports 24/7 remote service

Product Description

PART#	DESCRIPTION	VOLTAGE	ENERGY	CAPACITY	OPERATING VOLTAGE
EV-SNE53BL-LFP	53 KWH C&I Energy Storage System	409.6V	53.248KWH	130Ah	345.5V~473.6V
EV-SNE106BL-LFP	106KWH C&I Energy Storage System	409.6V	106.496KWH	130Ah	345.5V~473.6V
EV-SNE173BL-LFP	173KWH C&I Energy Storage System	665.6V	173.056KWH	130Ah	561.6V~769.6V

Inverter Module Specifications

MODEL#	EV-SNE53BL-LFP	EV-SNE106BL-LFP	EV-SNE173BL-LFP
PERFORMANCE			
Battery Type	Lithium-iron phosphate (LiFePO4)		
Nominal Battery Energy (KWH)	53.248KWH	106.496KWH	173.056KWH
Nominal Capacity (AH)	130AH		
Nominal Voltage (V)	409.6		665.6
Operating Voltage Range (V)	345.5V～473.6V		561.6V～769.6V
Number of Modules	8	16	26
Standard Charging Current (A)	30A @ 25℃	60A @ 25℃	60A @ 25℃
Max Constant Charging Current (A)	100A @ 25℃	200A @ 25℃	200A @ 25℃
Standard Discharging Current (A)	30A @ 25℃	60A @ 25℃	60A @ 25℃
Max Constant Discharging Current (A)	100A @ 25℃	200A @ 25℃	200A @ 25℃
Cell Technology	BYD Blade Lithium-iron phosphate (LiFePO4)		
Depth of Discharge (DOD)	80%		
Design Life	> 5000 times @80%DOD		
Warranty	5 years		
Compatible Hybrid Inverters	30KW / 50KW / 100KW C&I Energy storage inverters		
SAFETY			
Protection	Over-temperature, over charge, under-voltage, over-current, short circuit alarm function		
GENERAL SPECIFICATIONS			
Dimension (L*W*H)(MM)	1650*1000*2050		
Weight (KG)	Customized		
Cabinet Color	White		
Fire Extinguishing System	Supported		
Air Conditioner System	Supported		
Working Temperature Range	-30℃～+55℃		
Shipping State Voltage (V)	3.20～3.30V/CELL		
State of Charge SOC	20%～30%		
Charging Temperature	0～+55℃(32°F-131°F)		
Short Term Storage Ambient Temperature	-20～+35℃(<3 months, SOC: 20%～60%)		
Long Term Storage Ambient Temperature	-20～+30℃(<1 year, SOC: 30%～60%)		
Max Operating Altitude	4,000m (Derating above 2,000m)		
Protection	IP54		
Relative Humidity	5%-95%		
Battery Cooling Method	Forced Air Conditioning		
Noise Emission	<29 dB		
Communication	CAN / RS485		
Certification	TUV/CE/IEC/UN38.3/UL1973		