



PRODUCT OVERVIEW

116KWH 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-SNE116LFP	116KWH C&I Energy Storage System	614.4V	116.736KWH	190Ah	480V~ 700.8V
EV-SNE206LFP	206KWH C&I Energy Storage System	665.6V	206KWH	310Ah	561.6V~ 790.4V

Inverter Module Specifications

MODEL#	EV-SNE116LFP	EV-SNE206LFP
PERFORMANCE		
Battery Type	Lithium-iron phosphate (LiFePO4)	
Nominal Battery Energy (KWH)	116.736KWH	206KWH
Nominal Capacity (AH)	190AH	310AH
Nominal Voltage (V)	614.4V	665.6V
Operating Voltage Range (V)	480V~ 700.8V	561.6V~ 790.4V
Number of Modules	24	26
Standard Charging Current (A)	Rated current 80A	Rated current 102A
Max Constant Charging Current (A)	100A	155A
Standard Discharging Current (A)	Rated current 90A	Rated current 102A
Max Constant Discharging Current (A)	100A	310A
Cell Technology	BYD vehicle grade Lithium-iron phosphate (LiFePO4)	
Depth of Discharge (DOD)	80%	
Design Life	> 5000 times @80%DOD	
Warranty	5 years	
Compatible Hybrid Inverters	30/50/100KW C&I Energy storage inverters	100/150KW 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)	1550*700*2150	1950*1000*2180
Weight (KG)	Customized	
Cabinet Color	White	
Fire Extinguishing System	Supported	
Air Conditioner System	Supported	
Shipping Status	SOC: 30%~40%	
State of Charge SOC	20%~30%	
Charging Temperature	-10℃~ +40℃	0℃~ +50℃
Discharging Temperature	-20℃ ~ +40℃	-20℃ ~ +55℃
Short Term Storage Ambient Temperature	-20~ +40℃(<3 months, SOC: 20%~50%)	-10~ +45℃(<3 months, SOC: 20%~60%)
Long Term Storage Ambient Temperature	-20 ~ +40℃(<1 year, SOC: 20%~50%)	-10 ~ +35℃(<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	