

51.2V 6.144KWH LiFePO4 Battery-BYD blade cell



Villa



Residential
electricity



Nomadic farm



Base station

Product Features

Flexible

- Scalable battery design for easy expansion, max. 16pcs in parallel

Safe & Reliable

- BYD blade lithium cell, vehicle grade and higher quality
- More safety, longer life cycle and more usable energy
- Good temperature performance, wide operating temperature range

Easy Installation

- Stylish, ultra-thin
- Easy connection, saving installation time and cost

Perfect Compatibility

- Compatible to residential 48V hybrid inverter, and off grid inverter
- Compatible with CAN / RS485 communication interface
- Matching with leading inverter brands

LiFePO4 Energy Storage Battery



model	SNE5126LFP-BL
Performance	
Battery type	BYD Blade Lithium-iron phosphate (LiFePO4)
Battery energy(KWH)	6.144KWH
Nominal capacity(AH)	120AH
Nominal voltage(V)	51.2V
Operating voltage Range(V)	43.2V-57.6V
Standard charging mode	Constant current charging (CC)
Standard charging current(A)	30A @ 25°C
Max. constant charging current(A)	120A @ 25°C
Charge limit voltage(V)	60.8V
Standard discharging mode	Constant current discharging (CC)
Standard discharging current(A)	30A @ 25°C
Max. constant discharging current(A)	120A @ 25°C
Discharge cut-off voltage (V)	32V
Scalability	Max. 16 strings in parallel
Depth of discharge(DOD)	80%
Design life	> 5000 times(25°C/77F)
Compatible hybrid inverters	SNE5K-D1/SNE6K-D1/SNE8K-D1SNE8K-DA and other brands in the market
Protection function	
Protection	Over-temperature, over charge, under-voltage, over-current, short circuit alarm function
Display and Communication	
Display	LED indicator
Communication	CAN/RS485
General data	
Dimension(H*W*D)	1075*420*140MM
Weight	69KG
Installation	Wall Mount
Shipping status SOC	20%~40%
Charging temperature	-20~+55°C
Discharging temperature	-30~+60°C
Short term storage ambient temperature	-20~+35°C (<3 months,20~60% SOC)
Long term storage ambient temperature	-20 ~+30°C (<1 year,30~60% SOC)
Max. operating altitude	4,000m(Derating above 2,000m)
Protection degree	IP21, indoor installation
Relative humidity	5%-95%
Cooling	IP21, indoor installation
Noise emission	<29db
Certificate	CE, IEC62619, UN38.3, UL