

# High Voltage Small Commercial LiFePO4 Battery (BYD blade cell)



- Villa
- C&I energy storage
- Nomadic farm
- Base station

## Flexible

- High-voltage LiFePO4 battery module, single module is 51.2V 130Ah
- Stackable design, easy installation

## Perfect Compatibility

- Matching with leading inverter brands
- Compatible with CAN / RS485 communication interface
- Applicable on hybrid and off-grid solar energy storage system

## Safe & Reliable

- BYD blade battery cell (LFP) : more safety, longer life cycle more usable energy
- Applicable for commercial system applications.
- Flexible scalable from 13.312KWH to 66.56KWH
- Optimization of high-powered emergency-backup and off-grid function

Model	SNE102.4BL-1LFP	SNE204.8BL-2LFP	SNE307.2BL-3LFP
<b>Performance</b>			
Battery type	Lithium-iron phosphate (LiFePO4)		
Nominal battery energy(KWH)	13.312KWH	26.624KWH	39.936KWH
Nominal capacity(AH)	130AH	130AH	130AH
Nominal voltage(V)	102.4V	204.8V	307.2V
Moudules number	2	4	6
Cell technology	BYD Blade Lithium-iron phosphate (LiFePO4)		
Depth of discharge(DOD)	80%		
Design life	>5000 times @80%DOD		
Warranty	5 years		
Warranty Document Supplied	Yes		
Compatible hybrid inverters	High voltage hybrid inverters		
<b>Protection function</b>			
Protection	Over-temperature, over charge, under-voltage, over-current, short circuit alarm Function		
<b>Communication</b>			
Communication	CAN/RS485		
<b>General Specification</b>			
Dimension (L*W* H)(MM)	1120*420*57 (mm) 44.09*16.54*22.4 (inch)	1120*420*800 (mm) 44.09*16.54*31.5 (inch)	1120*420*1030 (mm) 44.09*16.54*40.55 (inch)
Weight(KG)	184.28kg (406.26lb)	314.38kg (693.11lb)	444.48kg (979.95lb)
Shipping state volage(V)	3.20~3.3.V/CELL		
State of charge SOC	20%~30%		
Charging temperature	0~+55℃ (32°F-131°F)		
Discharging temperature	-30~+60℃ (-22°F-140°F)		
Short term storage ambient temperature	-20~+35℃ (<3 months,SOC:20%-60%)		
Max.operating altitude	4,000m(Derating above 2,000m)		
Protection degree	IP21,indoor installation		
Relative humidity	5%-95%		
Cooling	Natural convection		
Noise emission	<29dB		
Certification	TUV/CE/IEC/UN38.3		