

## Small and medium-sized C&I ESS



C&I energy storage



Rural power shortage



Off-grid island



Nomadic farm



Mine off-grid

### Product Features

#### Simple and flexible

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

#### Safe & Reliable

- BYD blade battery cell (LFP) : more safety, longer life cycle ,more usable energy
- Applicable for small and medium-sized industrial and commercial system applications
- Flexible scalable from 53KWH to 173KWH
- Optimization of high-powered emergency-backup and off-grid function
- Built-in fire control, temperature control and warning system function for multiple security
- IP54 protection grade, stronger environmental adaptability

#### Perfect Compatibility

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

Model	SNE53BL-LFP	SNE106BL-LFP	SNE173BL-LFP
<b>Performance</b>			
Battery type	Lithium-iron phosphate (LiFePO4)		
Nominal battery energy(KWH)	53.248KWH	106.496KWH	173.056KWH
Nominal capacity(AH)	130AH	260AH	260AH
Nominal voltage(V)	409.6	409.6	665.6
Operating voltage Range(V)	345.5V~473.6V	345.5V~473.6V	561.6V~769.6V
Moudules number	8	16	26
Standard charging current(A)	30A @ 25°C	60A @ 25°C	60A @ 25°C
Max. constant charging current(A)	100A @ 25°C	200A @ 25°C	200A @ 25°C
Standard discharging current(A)	30A @ 25°C	60A @ 25°C	60A @ 25°C
Max. constant discharging current(A)	100A @ 25°C	200A @ 25°C	200A @ 25°C
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	30/50KW/100KW C&I Energy storage 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)	1280*1000*2218		
Weight(KG)	Customization		
Cabinet color	White		
Fire extinguishing system	support		
Air conditioner system	support		
Working temperature range	-30°C~+55°C		
Shipping state voltage(V)	3.20~3.30V/CELL		
state of charge SOC	20%~30%		
Charging temperature	0~+55°C(32°F-131°F)		
Discharging temperature	-30~+60°C (-22°F-140°F)		
Short term storage ambient tempera	-20~+35°C (<3 months, SOC: 20%~60%)		
Long term storage ambient tempera	-20 ~+30°C (<1 year, SOC: 30%~60%)		
Max. operating altitude	4,000m(Derating above 2,000m)		
Protection degree	IP54		
Relative humidity	5%-95%		
Battery cooling way	Air conditioning cooling		
Noise emission	<29 dB		
Certification	TUV/CE/IEC/UN38.3/UL1973		