

Integrated Low-Voltage Battery Pack

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Integrated Low-Voltage Battery Pack

Model: LFBH-10/15/12.5/17.5/20

Brand: sanhe

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Product Description



Integrated Low-Voltage Battery Pack

Product Introduction:

The residential energy storage system adopts a DC coupling mode, seamlessly integrating photovoltaic power generation with energy storage. It effectively stores excess electricity generated by the photovoltaic system, significantly increasing the self-consumption rate of electricity and substantially reducing reliance on the grid.

The solar storage system leverages peak and off-peak electricity price differentials for arbitrage operations, selling electricity during peak price periods and storing it during off-peak periods to maximize economic benefits. Moreover, users can utilize this system to help alleviate grid load while enjoying policy subsidies related to grid support activities, achieving substantial financial returns and striking an optimal balance between energy conservation and economic gains.

Product Advantages:

- Sleek home design, aesthetically pleasing and easy to install;
- Safe and reliable, featuring intelligent battery protection;
- High-protection lithium iron phosphate battery;
- High cycle stability and long lifespan;
- Power outage protection for continuous home power supply;
- High conversion efficiency with strong energy-saving performance;
- Real-time data monitoring;

Product Specifications:

Model	LFBLM-10-B	LFBLM-16-B
System Data		
Rated electric quantity(KWH)	10.24	16.08
Maximum charging current(A)	100	160
Maximum discharge current(A)	100	160
Rated capacity of battery cell(Ah)	200	314
Battery communication mode	RS485/CAN	
Battery voltage range(V)	40~58.4	
Cell type	LiFePO4	

Rated battery voltage(V)	51.2	
General Data		
Dimensions(W*D*H)(mm)	780/180/550	413/ 233/826
Total weight(kg)	88	130
Ingress Protection	IP54	
Operating temperature range(°C)	Charge:0~50	
	Discharge:-20~60	
Installation position	Indoors	
Installation method	Floor-standing	
Cycle life	6000	
Certification and Standards	UN38.3	
Cooling	Natural Convection	

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