

Residential Energy Storage Battery

Residential energy storage systems offer high-quality new energy products that are simple to install, easy to operate, safe to use, and environmentally friendly, suitable for powering household appliances. They power household appliances, storing grid electricity in batteries during off-peak periods and then transferring it to the grid during peak periods. Their modular design allows multiple batteries to be connected in parallel to expand capacity, ensuring greater storage capacity for both household use and grid delivery.

Product types include rack-mounted, stacked, vertical, and wall-mounted series, compatible with mainstream inverters on the market. Voltage levels include 24V, 48V, and 750V. Basic battery system capacities include 100Ah, 200Ah, and 314Ah. Multiple parallel groups are supported.



Wall-mounted LiFePO4 Battery System

Model		EHB24200G8S2P	EHB48100G16S1P
Cathode material		LiFePO4	
Rated voltage/V		25.6	51.2
Rated capacity/Ah		204	102
Rated energy/kWh		5.22	5.22
Standard parallel unit/P		1	1
Output power/kW		3	5
Charge voltage/V		29.2	58.4
Operating voltage range/V		20.8~29.2	41.6~58.4
Max. charge current/A		100	50
Max. discharge current/A		100	100
Operating temperature/°C	Charge temperature/°C	0~55	
	Discharge temperature/°C	-20~55	
Weight/kg		45	
Dimension(W×D×H)(mm)		440×170×690	
IP rating		IP21	
Certification		UN38.3, CE-EMC	
Cooling method		Natural cooling	
Communication		CAN/RS485, bluetooth+APP	
Cycle life		≥6000 Cycles@0.5C/90%DOD@70%EOL, 25±2°C	
Display configuration		ON/OFF button, LCD touchscreen	