

Residential Energy Storage Battery



5.22kWh

10.44kWh

16.07kWh

Vertical LiFePO4 Battery System

Model	EHB24200Y8S2P	EHB48100Y16S1P	EHB48200Y16S2P	EHB48314Y16S1P
Cathode material	LiFePO4			
Rated voltage/V	25.6	51.2	51.2	51.2
Rated capacity/Ah	204	102	204	314
Rated energy/kWh	5.22	5.22	10.44	16.07
Standard parallel unit/P	1	1	1	1
Output power/kW	3	5	5 10	5 8
Charge voltage/V	29.2	58.4	58.4	58.4
Operating voltage range/V	20.8~29.2	41.6~58.4	41.6~58.4	41.6~58.4
Max. charge current/A	100	100	100	100 160
Max. discharge current/A	100	100	100 200	100 200
Operating temperature/°C	Charge temperature/°C	0~55		
	Discharge temperature/°C	-20~55		
Weight/kg	53	53	98	122
Dimension(W×D×H)(mm)	440×170×690(750 with wheels)		820×170×660 (710 with wheels)	460×230×850 (900 with wheels)
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@80%EOL, 25±2°C			≥8000 Cycles @0.5C/90%DOD@ 80%EOL, 25±2°C
Display configuration	ON/OFF button, LCD touchscreen			