

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.



-  Ultra-thin wall-mounted design, saves floor space, wall installation
-  Integrated design, beautiful and concise appearance, suitable for indoor home environment
-  High safety, dustproof and moisture-proof, suitable for indoor household use
-  Optional wheels easy to move and carry, suitable for garages and balconies

Model		EHB05-08GY01		EHB10-08GY01	EHB16-08GY01
Cathode material		LiFePO4			
Rated voltage/V		25.6	51.2	51.2	51.2
Rated capacity/Ah		204	102	206	314
Rated energy/kWh		5.22		10.55	16.07
Standard parallel unit/P		1		1	1
Output power/kW		3	5	10	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	160
Max. discharge current/A		100		200	200
Operating temperature/°C	Charge temperature/°C	0~55			
	Discharge temperature/°C	-20~55			
Weight/kg		56		101	125
Dimension(W×D×H)(mm)		440×200×725 (785 with wheels)		470×235×765 (825 with wheels)	480×230×895 (955 with wheels)
IP rating		IP65			
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			