

Residential Energy Storage Battery



48V100AH Stacked Lithium-ion Battery System

Model		EHB48100D16S1P	EHB48100D16S2P		EHB48100D16S3P		EHB48100D16S4P	
Cathode material		LiFePO4						
Rated voltage/V		51.2						
Rated capacity/Ah		102	204		306		408	
Rated energy/kWh		5.22	10.44		15.67		20.89	
Standard parallel unit/P		1	2		3		4	
Output power/kW		5	5	10	5	10	5	10
Charge voltage/V		58.4						
Operating voltage range/V		41.6~58.4						
Max. charge current/A		50	100		120	150	120	200
Max. discharge current/A		100	120	200	120	200	120	200
Operating temperature/°C	Charge temperature/°C	0~55						
	Discharge temperature/°C	-20~55						
Weight/kg		11+50×1	11+50×2		11+50×3		11+50×4	
Dimension(W×D×H)(mm)		580×390×380	580×390×560		580×390×740		580×390×920	
IP rating		IP54						
Certification		UN38.3, CE-EMC						
Cooling method		Natural cooling						
Communication		CAN/RS485						
Cycle life		≥6000 Cycles@0.5C/90%DOD@70%EOL, 25±2°C						
Display configuration		Quick-connect terminal, ON/OFF button, SOC indicator light						