

# Powerwall Energy Storage

HOME



Long Life



Mobility



Space Saving



Home Appliance Style



A lightweight and convenient option for household energy storage, wall-mounted systems boast a compact size and an integrated body design. With plug-and-play functionality, they are easy to install and offer a space-saving energy storage solution for homeowners.



Model	HLB-48100	HLB-48150	HLB-48200
<b>Battery Parameter</b>			
Standard Voltage	48VDC		
Voltage	37.5-54.75VDC		
Normal Capacity	100Ah	150Ah	200Ah
Rated Capacity	4.8kWh	7.2kWh	9.6kWh
Communication Protocol	CAN / RS485 / WIFI / 4G / Blue Tooth		
Efficiency (at 0.5C)	98%		
Cell Self-Discharge	<5 % / Month	<5 % / Month	<5 % / Month
Maximum Allowed Modules in Parallet	15 (72kWh)	15 ( 108kWh)	15 (144kWh)
Depth of Discharge	Up to 100%		
Useful Life	8- 10 Years		
Cycle Life	6000 (@ 80% DoD)		
Protection	Over temperature, overcurrent, short circuit, over-charging, over-discharging, Low voltage		
<b>Charge Specifications</b>			
Recommended Charge Current	25A	50A	50A
Maximum Charge Current	50A	100A	100A
Recommended Charge Voltage	54V	54V	54V
Maximum Charge Voltage	54.75V	54.75V	54.75V
<b>Discharge Specifications</b>			
Recommended Discharge Current	25A	50A	50A
Maximum Discharge Current	50A	100A	100A
Recommended Low Voltage Disconnect	41.25V	41.25V	41.25V
Battery Low Voltage Protection	39.75V	39.75V	39.75V
Battery Recovery Voltage	45V	45V	45V
<b>Mechanical Specifications</b>			
Dimenstions	510*440*220mm	690*530*215mm	690*530*215mm
Weight	50kgs	70kgs	90kgs
Terminal Type	M6		
Case Material	Industrial Grade Iron		
Enclosure Protection	IP20		
Installation	Cabinet or Wall installation		
Cell Type Chemistry	LiFeP04		
<b>Compliance Specifications</b>			
Certifications	CE,FCC, CCC		
Shipping Classification	UN 38.3. UN 3480, Class 9		
<b>Temperature Specifications</b>			
Discharge Temperature	-20~65 °C		
Charge Temperature	0~55 °C		
Storage Temperature	-20~45 °C		