

Powerwall



Features

- **Long Cycle Life:** 5000 times, service more than 10 years.
- **High Power:** Support long-term charging and discharging of 100A
- **Physical characteristics:** small size, light weight, thin thickness
- **Installation mode:** wall mounted, hanging on the wall together with inverter and control to form a harmonious environment; The left and right sides of the battery and the panel are equipped with handles for easy installation and handling.
- **Safety:** Level 4 protection, cell protection, BMS protection, inverter protection, air switch protection, grounding protection.
- **Communication:** The battery supports the communication protocol of 90% inverter manufacturers on the market.

Application

- Solar/Wind energy storage system
- Community/Villa/Residential/Hospital/School/Gymnasium etc

Powerwall-Parameters

Model	CLFP-51.2-100-M	CLFP-51.2-200-M
Battery Type	Lithium Iron Phosphate	
Combination method	3.2V100Ah Cell-16S1P	3.2V100Ah Cell-16S2P
Energy	5.12KWh	10.24KWh
Norminal Voltage	51.2V	
Norminal Capacity	100Ah	200Ah
Factory Voltage	52.0V-54.40V	
End of Discharge Voltage	58.4V	
Max. Continuous Charge Current	100A T \geq 10 $^{\circ}$ C	
Charge Voltage	40V	
Max. Continuous Discharge Current	100A T \geq 10 $^{\circ}$ C	
Cycle life	\geq 5000times 80%SOC 0.5C/0.5C 25 $^{\circ}$ C	
ACIR	\leq 10m Ω	\leq 20m Ω
Batteries Parallel/Series	Max.16P/No Support Series	
Charge Temperature Range	0~45 $^{\circ}$ C	
Discharge Temperature Range	-10~55 $^{\circ}$ C	
Storage Temperature Range	Less than 8 months: -10~35 $^{\circ}$ C 60 \pm 25%R.H.	
	less than 3 months: -10~45 $^{\circ}$ C 60 \pm 25%R.H.	
	Less than 7 day: -20~65 $^{\circ}$ C 60 \pm 25%R.H.	
Installation Method	Wall Mounted	
Communication	RS485 RS232 CAN	
Waterproof	IP54	
Weight	48 \pm 2Kg	88 \pm 2Kg
Size	W420*D160*H630mm	W510*D160*H855mm
Certification	IEC62619 UN38.3 CE RoHS	