



GREENSUN SOLAR



POWERWALL LiFePO4 Lithium Iron Phosphate Battery



Energy Storage

24/7

Outage Protection



Power Your Home



>6000Cycles



Easy Move&Installation



Intergrated Advanced BMS



Parallel Connection to expand capacity



Best Suitable for ESS HESS Off-grid/Hybrid Solar System UPS

Module Introduction

48V100AH Powerwall

Specification	
Model	LFP48-100 Powerwall 48V100Ah
Battery Type	LiFePO4(LFP)
Normal Voltage(V)	48V
Normal Energy(KWH)	4.8KWH
Design Life	20Years(25°C /77°F)
Physical	
Dimension(mm)	675*475*186mm
Weight(kg)	45kg
Electrical	
Cycle Life	>6000, 25°C
Discharge Voltage(V)	40.0-58.4
Charge Voltage(V)	56.0-58.4
Charge/Discharge Current(A)	50A(Recommended) 100A(Max)
Internal Resistance	≤30mΩ
BMS	
Power Consumption	<2W(Work)<100mw(Sleep)
Monitoring Parameters	System voltage,current,cell voltage cell temperature,module temperature
SOC	Intelligent algorithm
Communication	CAN/RS-485
Operation	
Operating Temperature Range	-10°C-50°C
Transport Storage Temperature Range	-20°C-45°C
Humidity	15%-85%(No Condensing)
Warranty	
Warranty	5/10 Years



The Battery system is widely used in RESS(Residential Energy Storage System) such as solar storage system,UPS. The Powerwall LiFePO4 Battery Pack adopts international advanced lithium iron phosphate battery application technology and BMS control technique.

