



POWERWALL LITHIUM BATTERY

LiFePO4



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- Communicated with multiple brands inverter same time, battery BMS supports simultaneous.
- High quality prismatic lithium iron phosphate battery, higher capacity, higher current, longer life.
- Built-in intelligent BMS (Battery Management System), effectively avoiding overcharge, overdischarge, overcurrent, short-circuit, balance and other problems
- Long cycle life using high-quality lithium iron phosphate batteries, the cycle life is more than 6000 times at 80% DOD and can be used for 10-15 years.

SOUTH AFRICAN MARKET

Battery BMS supports simultaneous communication and docking with multiple inverter brands.

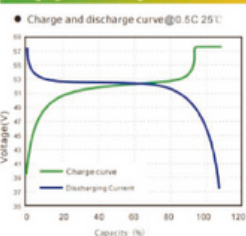


AMERICAN MARKET

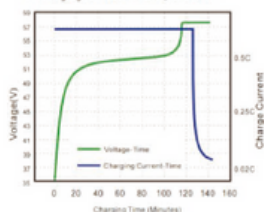
Battery BMS supports simultaneous communication and docking with multiple inverter brands.



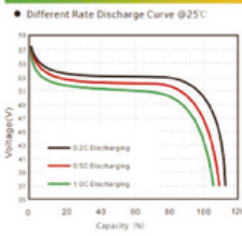
Charging and Discharge curve



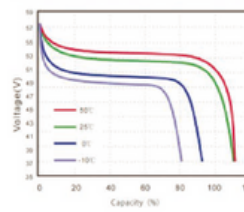
• Charging Characteristics @0.5C 25°C



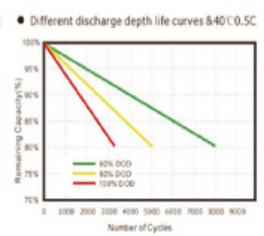
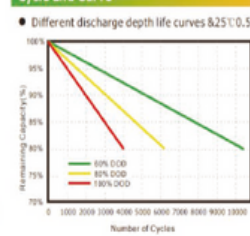
Different current/Temperature Discharge curves



• Different Temperature Discharge Curve @0.5C



Cycle Life Curve



SPECIFICATION

MODEL	48V 100AH	48V 200AH	51.2V 100AH	51.2V 200AH
Nominal Voltage (V)	48V	48V	51.2V	51.2V
Nominal Capacity (WH)	4800WH	9600WH	5120WH	10240WH
Usable Capacity (WH)	3840WH (80%DOD)	7680WH (80%DOD)	4096WH (80%DOD)	8192WH (80%DOD)
Design Life	10+Years			
PHYSICAL				
Dimension (mm)	600x510x173	673x618x193	600x510x173	673x618x193
Weight (kg)	45KG	90KG	58KG	100KG
ELECTRICAL				
Cycle Life	> 6000, DOD 80%			
Discharge Voltage (V)	40 ~ 58.4			
Charge Voltage (V)	56 ~ 58.4			
Charge/Discharge	50A (Recommended)			
Current (A)	100A (Max)			
Internal Resistance	≤ 30m Ω			
BMS				
Capacity	100A (Max)			
Power Consumption	< 2W (Work) < 100mW (Sleep)			
Monitoring Parameters	System Voltage, Current, Cell Voltage, Cell Temperature, Module Temperature			
SOC	Intelligent Algorithm			
Current (A)	CAN/RS-485/RS-232			
OPERATION				
Operation Temperature Range	10 ~ 50°C			
Transport or Storage Temp. Range	-20 ~ 45°C			
Humidity	15% ~ 85% (No Condensing)			
WARRANTY				
Product Warranty	5 Years			
Performance Warranty	10 Years			

