

# Powerwall 2.0 100Ah-51.2V-5.12Kwh



## 5.12Kwh



Colorful LCD Screen



Support up to 32pcs parallel



Smart 100A BMS, Super safety design



CAN, RS485 communication ports



5 years warranty



6000+ life cycle at 80% DOD



1C Charge & Discharge Current

Experience the future of energy storage with our Lithium Iron Phosphate (LiFePO<sub>4</sub>) battery, engineered for maximum longevity and performance. This battery features a remarkable 6000 charge cycles at 80% DOD and is equipped with a sophisticated 100Ah BMS for real-time monitoring and optimal safety. Designed for an extraordinary lifespan of up to 45 years, it ensures long-term reliability and efficiency. Plus, with the capability to connect up to 32 units in parallel, you can scale your energy storage solution to meet any need, making it perfect for both residential and commercial applications.

## Technical Data

Model		Powerwall 2.0 100Ah-51.2V-5.12Kwh
Electrical Characteristics	Nominal voltage	51.2V
	Nominal capacity	100Ah
	Energy	5.12Kwh
	Cycle Life	6000 cycle @80% DoD
	Months Self	≤3.5% per month at 25°C
	Battery Cell	3.2V 100AH, Prismatic, LiFePo4
	Cell compose method	16S1P
Standard charge	Charge Voltage	DC 54.8V
	Standard Charge	30A
	Max. Charge Current	100A
Standard discharge	Max. Continuous discharge Current	100A
	Peak discharge current	125A (For Surge load)
	Discharge Cut-off Voltage	42V
Temperature	Charge Temperature	0°C to 45°C
	Discharge Temperature	20°C to 55°C
	Storage temperature	-10°C ~ + 45°C (every month needs to do charge and discharge for one time if storage and no put in use)
Initial Impedance		<22mΩ
Battery Weight		Approx. 52KG
Battery Dimension		H631*W442*D152(mm)
Parallel		Support up to 32pcs parallel
Housing		Metal
Communication protocol		RS485, CAN
LCD		LCD screen
Cooling Method		Natural Cooling
IP Rating		IP54
Support Inverter brands		"Deye, Senergy, Sorotec, Voltronic". (any brand inverter if you need to support, please tell us, we can do this support for you)
Protection		Over voltage protection (Cell & System), Low voltage protection (Cell & System), High temperature protection, Low temperature protection, Short cuicuit protection, Over current protection
Warranty		5 years