

Powerwall 2.0 (ECO)

5.12Kwh-100Ah-51.2V (LiFePo4 Battery)



Colorful LCD Screen



Support up to 16pcs parallel



Smart 100A BMS, Super safety design



RS232, CAN, RS485 communication ports



5 years warranty



6000+ life cycle at 80% DOD



1C Charge & Discharge Current



Compact size and light weight

Experience the future of energy storage with our Lithium Iron Phosphate (LiFePO4) battery, engineered for maximum longevity and performance. This battery features a remarkable 6,000 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 60 years, it ensures long-term reliability and efficiency. It is perfect for both residential and commercial applications.



WiFi & Bluetooth

Real Time Monitoring Through APP

51.2V 100Ah LeFePO4

Battery Dimensions

100A
BMS

5.12kW

Max. Load Power

5.12kWh

Max. Energy



53kg (117 lbs)

5kWh

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Technical Data

Model		Powerwall 2.0 (ECO) 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
Charge & Discharge		
Charge Voltage		58.4 V
Discharge Cut-off Voltage		40 V
Standard Current	Charge	20 A
	Discharge	50 A
Max. Continuous Current	Charge	100 A
	Discharge	100 A
General		
Temperature	Charge	0 ~ 45°C (32 ~ 113°F)
	Discharge	-20 ~ 55°C (-4 ~ 131°F)
Storage temperature		-10 ~ 45°C (14 ~ 113°F)
Initial Impedance		<22mΩ
Battery Weight		Approx. 53KG
Battery Dimension		H615*W420*D145(mm)
Parallel		Support up to 16pcs parallel
Housing		Metal
Communication protocol		RS232 / 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 circuit protection, Over current protection
Warranty		5 years