

# Powerwall 3.0 Plus 48V 300AH



## 14.4Kwh



Colorful touch LCD

**16**

Support up to 16pcs parallel



Smart 300A BMS, Super safety design



CAN, RS485, and RS232 communication ports



10 years warranty



6000+ life cycle at 80% DOD

**220**

100A Max. charge Current and  
220A Max. Continuous discharge

Crafted out of Lithium Iron Phosphate (LiFePO<sub>4</sub>) technology, this is a battery built to last. with 6,000+ recharge cycles @80%DOD the 300Ah provides 5X the lifespan than your typical SLA battery. Built in smart BMS which can realize real-time monitoring the battery. It is the best home storage solution available in the market.

## Technical Data

Model		Powerwall 3.0 Plus
Electrical Characteristics	Nominal voltage	48V
	Nominal capacity	300Ah
	Energy	14.4Kwh
	Cycle Life	6000 cycle @80% DoD
	Months Self	≤3.5% per month at 25°C
Standard charge	Charge Voltage	DC 54.2V
	Standard Charge	40A
	Max. Charge Current	100A
Standard discharge	Max. Continuous discharge Current	220A
	Peak discharge current	220A (<3s)
	Discharge Cut-off Voltage	42V
Temperature	Charge Temperature	0°C to 45°C(32°F to 113°F) @60±25% Relative Humidity
	Discharge Temperature	-20°C to 60°C(-4°F to 140°F) @60±25% Relative Humidity
	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		<50mΩ
Battery Weight		Approx. 130KG
Battery Dimension		H920*W600*D175(mm)
Parallel		Support up to 16pcs parallel
Housing		Metal
Communication protocol		RS485, RS232 CAN
LCD		Touch LCD screen
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		10 years