



The NEURO is a 51.2 Volt, 51.2 kWh wall-mounted home battery for solar energy storage systems using the safest lithium battery technology (LiFePO4) to provide additional energy storage capacity) lithium battery storage solution designed for home solar power systems.

- Modular and scalable
- UL Standard Battery Pack
- Better price, bigger capacity
- 10-year warranty & technical support
- High cycle life and deep cycle capability
- Safe and reliable LiFePO4

# Specification

51.2V 100Ah 5.12kWh Battery

Item	General Parameter	
Model	NEURO	
Battery Type	LiFePO4	
Nominal Voltage (V)	51.2	
Nominal Capacity (Wh)	5120	
Usable Capacity (Wh)	4608	
Cell Configuration	16S1P	
Dimension (mm) (H*W*D)	590*460*147	
Weight (Kg)	50 ±3%	
Discharge Voltage (V)	47	
Charge Voltage (V)	55	
Charge	Rate. Current / Power	40A / 2.048kW
	Max. Current / Power	80A / 4.096kW
	Peak Current / Power	110A / 5.632kW,1s
Discharging	Rate. Current / Power	100A / 5.12kW(25±2°C)
	Peak Current / Power	150A / 7.68kW, 2 Minutes
Communication	RS232, RS485, CAN, WIFI(Optional), Bluetooth(Optional)	
Depth Of Discharge(%)	90%	
Expansion	Up to 63 units in parallel	
	Charge	0~55°C
Working Temperature	Discharge	-20~55°C
Storage Temperature	-10°C ~ +45°C	
Short Circuit Current/Duration Time	400A - 0.5 ms	
Cooling Type	Natural Convection	
Protection Level	IP20	
Monthly Self-discharge	≤ 3%/month	
Humidity	≤ 60% ROH	
Altitude(m)	< 4000	
Warranty	10 Years	
Design Life	> 15 Years (25°C / 77°F)	
Cycle Life	> 6000 cycles, 25±2°C	
Certification & Safety Standard	UN38.3	



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