



5.12 kWh / 10.24 kWh

PowerLine-5 / 10 is an ultra-thin wall-mounted battery that can be installed directly on the wall through a simple installation method quick installation. Exquisite designed, compact size can fit into any small space in the home. We use industry-leading LiFePO4 technology to cycle more than 6000 times @ 90% DOD.



Modular and scalable



Max. 1C charge/
discharge



6000 Cycle Life @90% DOD



10-year warranty &
technical support



30 days delivery period



For on-grid and off-grid



UL standard battery
pack



Compatible with
multiple inverters



Safe and reliable LiFePO4

Specification

51.2V 5.12kWh/10.24kWh Battery

Item		General Parameter	
Model		PowerLine-5	PowerLine-10
Nominal energy		LiFePO4	LiFePO4
Nominal Voltage (V)		51.2	51.2
Nominal Capacity (wh)		5120	10240
Usable Capacity (wh)		4608	9216
Cell & Method		16S1P	16S2P
Dimension(mm)(W*H*D)		(700*540*90) ±1mm	(980*700*100) ±2mm
Weight(Kg)		48.3±2Kg	95±2Kg
Discharge Voltage (V)		47	
Charge Voltage (V)		55	
Charge	Rate. Current / Power	50A / 2.56kW	100A / 5.12kW
	Max. Current / Power	80A / 4.096kW	160A / 8.192kW
	Peak Current / Power	110A / 5.632kW	210A / 10.752kW
Discharging	Rate. Current / Power	100A / 5.12kW	200A / 10.24kW
	Max. Current / Power	120A / 6.144kW, 1s	220A / 11.264kW, 1s
	Peak Current / Power	150A / 7.68kW, 1s	250A / 12.80kW, 1s
Communication		RS232, RS485, CAN, WIFI(Optional), Bluetooth(Optional)	
Depth Of Discharge(%)		90%	
Expansion		up to 63 units in parallel	
Working Temperature	Charge	0~55°C	
	Discharge	-20~55°C	
Storage Temperature		0~35°C	
Short Circuit Current /Duration Time		350A, Delay time 500µs	
Cooling Type		Nature	
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°C	
Certification & Safety Standard		UN38.3	

Note: Customized models and adjusted parameters are available upon request.



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