

Pi LV1

Stackable LFP Battery System



Features



Safe

- LFP Chemistry, Field-Proven BMS Integrated in Individual Module, DC Breaker & Fuse Adapted



Powerful

- Up to 10.24kW Continuous Output



Plug-and-play (15-min installation)

- Quick Connectors, Hand-wiring Free



Wider Operation Temperature

- (Optional) Heating Pad Integrated



Scalable on Demand

- Flexible Configuration from 5.12 to 30.72 kWh per Stack, Up to 8 Stacks



Outdoor Rated Enclosure

- Water & Dust proof for Both Indoor and Outdoor



Smart

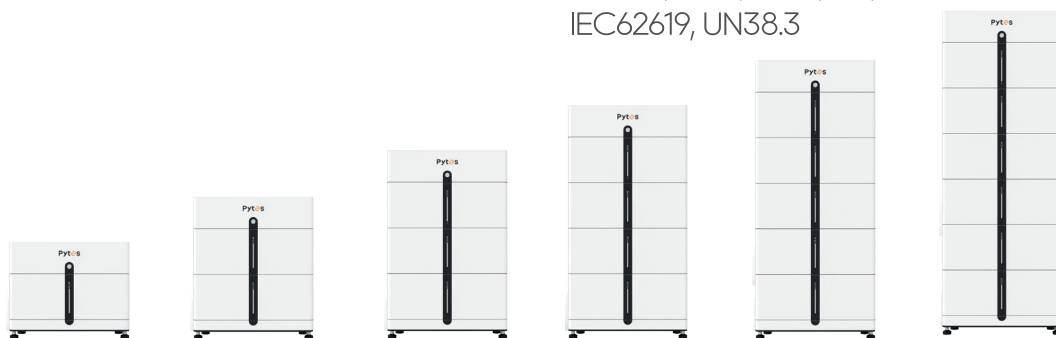
- Remote Upgrading & Monitoring





Pi LV1 Specs

Battery Module Unit:

Cell Type	LFP
Nominal Energy	5.12kWh
Nominal Voltage	51.2V
Voltage Range	47.5V~56.8V
Nominal Capacity	100Ah
Recommended Continuous Discharge Current	50A
Recommended Continuous Charge Current	50A
Certifications	UL9540 Ed.2 (2020), UL9540A, UL1973, CEC, SGIP, CE, IEC62619, UN38.3



Model	1	2	3	4	5	6
Cell Type	LFP					
Nominal Voltage	51.2V					
Voltage Range	47.5V~56.8V					
Nominal Energy ^[1]	5.12kWh	10.24kWh	15.36 kWh	20.48 kWh	25.6 kWh	30.72 kWh
Recommended Power	2.56kW	5.12kW	7.68kW	10.24kW	10.24kW	10.24kW
	681 x 242 x 540 26.8 x 9.5 x 21.3	681 x 242 x 800 26.8 x 9.5 x 31.5	681 x 242 x 1060 26.8 x 9.5 x 41.7	681 x 242 x 1320 26.8 x 9.5 x 52.0	681 x 242 x 1580 26.8 x 9.5 x 62.2	681 x 242 x 1840 26.8 x 9.5 x 72.4
Weight(kg/lbs)	71.7/158.1	125/275.6	178.3/393.1	231.6/510.6	284.9/628.1	338.2/745.6
Efficiency	≥95%					
Communication	CAN, RS485, WIFI, Dry Contact					
WiFi Module	Wifi frequency range:2412~2472MHz Wifi Max. transmission power<20dBm Bluetooth frequency range: 2402~2480MHz Bluetooth Max. transmission power<4dBm					
Cycle Life ^[2]	≥6000Cycles					
Protection level	IP55					
Ambient Temperature	Charge: 0°C ~ 45°C / 32°F ~113°F Discharge: -10°C~50°C / 14°F~122°F					
Storage Temperature	Within 1 month: -20°C~50°C / -4°F~122°F 1~3 months: -10°C~40°C / 14°F~104°F 3~12 months: 0°C~30°C / 32°F~86°F					
BCU						
BMU						

[1]: 4 models parallel in Pi LV1 is Recommended. [2]: @25°C, 0.5C Charging/Discharging, 90% DoD