

Pi LV1



Features



Safe

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



Powerful

- Up to 10.24kW Continuous Output



Plug-and-play (15-min installation)

- Quick Connectors, Easy to Install



Scalable on Demand

- Flexible Configuration from 10.24 to 30.72 kWh per Stack, Up to 4 Stacks



Outdoor Rated Enclosure

- Water & Dust Proof for Both Indoor and Outdoor Installation



Smart

- Remote Upgrading & Monitoring

Pi LV1 Specifications



Battery Module Unit

Chemistry	LFP
Nominal Energy	5.12kWh
Nominal Voltage	51.2V
Voltage Range	47.5V~ 56.8V
Nominal Capacity	100Ah
Recommended Continuous Charge/ Discharge Current	50A(2.56kW)

Pi LV1 System

Modules ^[1]	1	2	3	4	5	6
Nominal Voltage	51.2V					
Voltage Range	47.5V~ 56.8V					
Nominal Capacity	100Ah	200Ah	300Ah	400Ah	500Ah	600Ah
Nominal Energy	5.12kWh	10.24kWh	15.36 kWh	20.48kWh	25.6kWh	30.72kWh
Recommended Power	2.56kW	5.12kW	7.68kW	10.24kW	10.24kW	10.24kW
Dimensions (L*W*H) (inch/mm)	26.8 x 9.5 x 21.3 / 681 x 242 x 540	26.8 x 9.5 x 31.5/ 681 x 242 x 800	26.8 x 9.5 x 41.7/ 681 x 242 x 1060	26.8 x 9.5 x 52.0 681 x 242 x 1320	26.8 x 9.5 x 62.2/ 681 x 242 x 1580	26.8 x 9.5 x 72.4/ 681 x 242 x 1840
Weight (lbs/kg)	158.1 / 71.7	275.6/125	393.1/178.3	510.6/231.6	628.1/ 284.9	745.6/338.2
Communication	CAN, RS485, WIFI, Dry Contact					
Operating Temperature	Charge:32°F~113°F/0°C~45°C Discharge:14°F~122°F/-10°C~50°C					
WiFi Module	Wifi frequency range:2412~2472MHz Wifi Max. transmission power<20dBm Bluetooth frequency range: 2402~2480MHz Bluetooth Max. transmission power<4dBm					
Ingress Protection	IP55					
Cycle Life ^[2]	≥6000 Cycles					
Altitude	<13123.35ft/4000m					
Warranty	10 Years					
Certifications	UL 9540 Ed.3 (2023), UL 9540A, UL 1973, CEC, SGIP					

[1]:4 models parallel in Pi LV1 is Recommended.

[2]:@77°F / 25°C, 0.5C Charging / Discharging, 90% DoD.

Inverter Compatibility List

Main Inverter Partner



Pytes

PYTES (USA) ENERGY, INC

Address: 13921 Senlac Dr, Farmers Branch, TX 75234

Site: www.pytesusa.com

Email: pytesusa@pytesgroup.com

