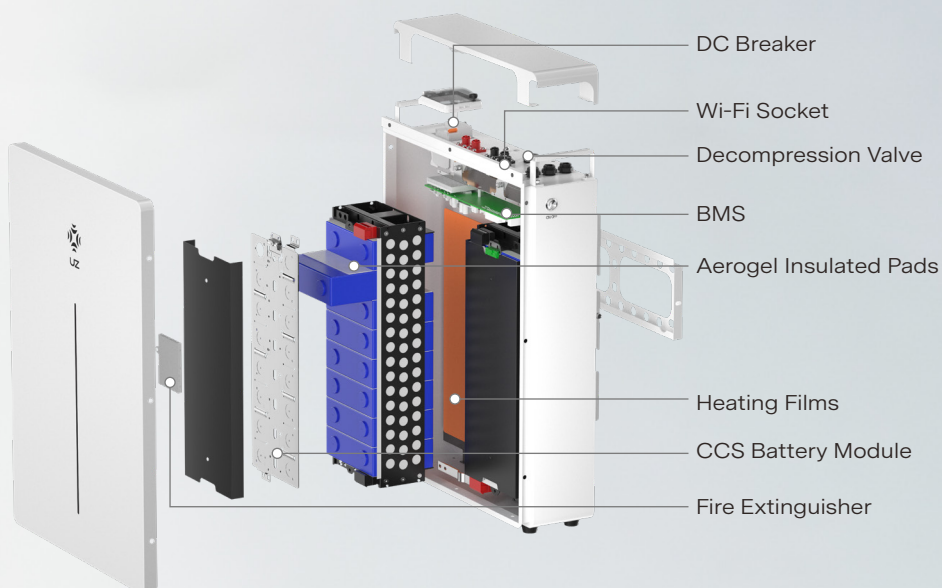


Power Lite Plus Series

AI-Powered Battery Safety Detection and Customer Service



- ✓ Tier-One LFP Battery Cells
- ✓ Self-Innovating BMS
- ✓ Supports Charging Down to -5 °C
- ✓ Automatic Parallel Configuration
- ✓ IP65
- ✓ Max. 32 Sets in Parallel



Model	PLPA-L1-5K1
Cell Type	LiFePO4
Rated Capacity	100 Ah
Rated Voltage	51.2 V
Rated Energy	5.12 kWh
Working Voltage Range	43.2 V - 58.4 V
Max. Parallel Quantity	32 sets, 163.84 kWh
Rated Charge / Discharge Current	0.6C, 60 A
Max. Discharge Continuous Current	1C, 100 A
Max. Charge / Discharge Power	3.07 kW / 5.12 kW
Peak Discharge Current / Power	105 A / 5.37 kW, 1 min
Standard Charging Method	0.5C CC to 57.6 V; CV at 57.6 V Till Current Is 0.05C
Available SOC Range	0% ~ 100%
Dimensions (W x D x H)	460x165x652 mm (±5) 18.11*6.50*25.67 in (±5)
Weight	~110.2 lbs / ~50 kg
Operating Temperature [1*]	Charge: -5 °C~55 °C / 23 °F ~ 131 °F Discharge: -15 °C ~ 55 °C / 5 °F ~ 131 °F
Storage Temperature [2*]	-15 °C ~ 55 °C / 5 °F ~ 131 °F
Working Humidity	<95% RH (non-condensing)
Altitude	≤ 2,000 m / 6,562 ft
Communication	CAN, RS485, Dry Contact, WiFi
Cycle Life [3*]	6,000 cycles
Heating Film in Pack	Yes
Installation Methods	Floor-standing / Wall-mounted
Warranty	10-Year
IP Rating	IP65
Certification	IEC 62619, IEC 62040, IEC 61000, UN 38.3

[1*] Recommended operating temperature: 10 °C ~ 30 °C / 50 °F ~ 86 °F

[2*] Recommended storage temperature: 10 °C ~ 30 °C / 50 °F ~ 86 °F

[3*] Working condition: 0.5C @ 25 °C, 90% DoD.