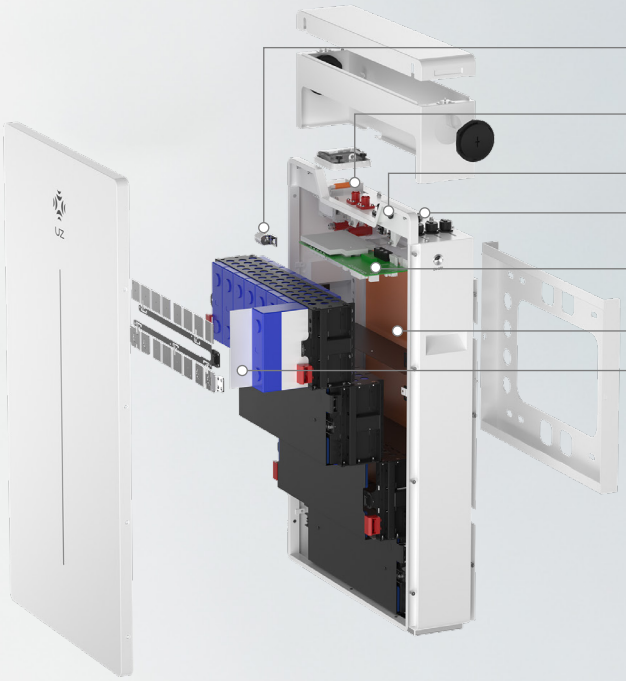
UZ ENERGY | SES

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

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Model	PLPA-L1-10K2-U
Cell Type	LiFePO4
Rated Capacity	200 Ah
Rated Voltage	51.2 V
Rated Energy	10.24 kWh
Working Voltage Range	44.8 V - 58.4 V
Max. Parallel Quantity	32 sets, 327.68 kWh
Rated Charge / Discharge Current	0.6C, 120 A
Max. Discharge Continuous Current	0.6C, 120 A
Max. Charge / Discharge Power	6.14 kW
Peak Discharge Current / Power	160 A / 8.19 kW, 1 min.
Available SOC Range	0% ~ 100%
Dimensions (W x D x H)	550x165x1,000 mm (±5) 21.65*6.50*39.37 in (±5)
Weight	~213.9 lbs / ~94 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	5% ~ 95% RH (non-condensing)
Altitude	≤ 2,000 m / 6,562 ft
Communication	CAN / RS485 / Wi-Fi
Cycle Life [3*]	6,000 cycles
Heating Film in Pack	Yes
Installation Methods	Floor-standing / Wall-mounted
Warranty	10-Year
IP Rating	IP65
Certification	UL 1973 / UL 9540A / FCC / 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.

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