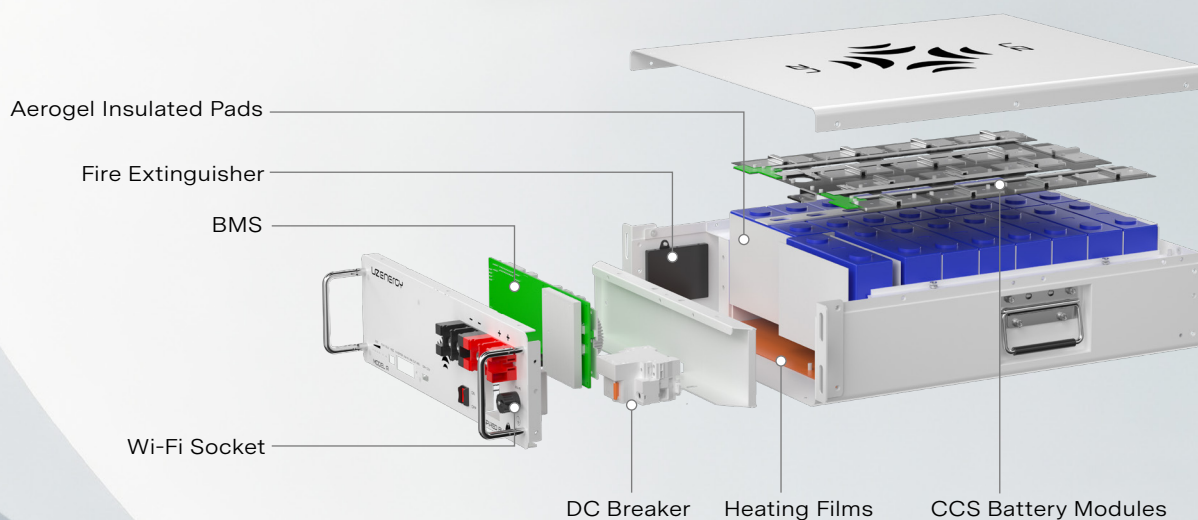


Power Lite Series

AI-Powered Battery Safety Detection and Customer Service



- ✓ Safe & Reliable LFP Battery
- ✓ Compact Design (3U in Height)
- ✓ High-power yield technical support for single units
- ✓ Multi-parallel Configuration, Up to 32 Sets
- ✓ Blackout and Emergency Backup



Model	L051100-B
Nominal Capacity	100 Ah
Nominal Energy	5.12 kWh
Usable Energy ^[1]	5 kWh
Nominal Voltage	51.2 V
Rated Current	0.6C, 60 A
Working Voltage Range	43.2 V to 58.4 V
Max. Parallel Quantity	Max. 32 Sets in parallel, 163.84 kWh
Rated Charging Current	0.6C, 60 A
Max. Charging Continuous Current	0.6C, 60 A
Rated Discharge Current	0.6C, 60 A
Max. Discharge Continuous Current	1C, 100 A
Battery Max. Charge / Discharge Power	3.0 kW / 5.12 kW
Peak Discharge Current / Power	105 A / 5.37 kW, 1 min
Recommended Power	1.95 kW
Available SOC Range	0% to 100%
SOC Transportation Range	50%
Dimensions [W×D×H]	440 × 530 × 132 mm (±5) 17.32 × 20.87 × 5.20 in (±0.2)
Weight	~ 44.5 kg
Operating Temperature ^[2]	Charge: 0 °C to 55 °C Discharge: -15 °C to 55 °C
Storage Temperature ^[3]	-15 °C to 55 °C
Working Humidity	< 95% RH (non-condensing)
Altitude ^[4]	≤ 2,000 m / 78.74 in
Communication	CAN, RS485, Dry Contact, Wi-Fi (Wi-Fi Stick Optional)
Certifications	UN 38.3 / UL1973 / UL9540A / UL9540 / IEC 61000 / IEC 62619
Designed Cycle Life (25 °C ± 2 °C)	6,000 Cycles
IP Rating	IP20
Cooling	Natural Cooling
Heating Power	205 W (Optional)
Fire Protection	Yes (Optional)
Emergency Stop Function	Yes (External wiring required)
Environment Protection Standard	RoHS

[1] Test Conditions, 100% DoD, 0.2C charge and discharge at 25°C ± 3°C for battery system at beginning of life (BOL). System usable energy may vary with different inverters.

[2] Recommended operating temperature: 10 °C to 30 °C.

[3] Recommended storage temperature: 10 °C to 30 °C.

[4] Recommended working height is less than 2,000 m / 78.74 in, and the max. working height is 3,000 m / 118.1 in.

- Can be installed by using F series rack (F13L) or fast installation components (H100)
- Can be installed by using wall-mounted components (C300A)
- Can be installed by using small rack (R100A)

※ Information is subject to change without notice.