

# Power Lite Series

AI-Powered Battery Safety Detection and Customer Service



- ✓ Tier-one LFP Battery Cells
- ✓ Off-grid Energy Storage
- ✓ Safe & Reliable LFP Battery
- ✓ Compact Design (3U in Height)
- ✓ Single Unit High Power Yield Support
- ✓ Micro-grid Applications
- ✓ UPS Power Supply
- ✓ Advanced BMS Control
- ✓ Multi-parallel Configuration, Up to 32
- ✓ Black Out and Emergency Backup

Model	L051100-A1
Cell Type	LiFePO4
Rated Energy	5.12 kWh
Rated Voltage	51.2 V
Rated Capacity	100 Ah
Working Voltage Range	44.8 V - 57.6 V
Max. Parallel Quantity	32 sets, 163.84 kWh
Rated Charge / Discharge Current	50 A, 0.5C
Max. Continuous Discharge Current	50 A, 0.5C
Dimensions (W*D*H)	440*530*132 mm (±5) / 17.32*20.87*5.20 in (±5)
Weight	~99.2 lbs / ~45 kg
Operating Temperature	Charge: 0 °C ~ 55 °C / 32 °F ~ 131 °F Discharge: -20 °C ~ 55 °C / -4 °F ~ 131 °F
Storage Temperature	-20 °C ~ 50 °C / -4 °F ~ 122 °F
Altitude	≤ 2,000 m / 6,562 ft
Communication	CAN / RS485 / Dry Contact / Wi-Fi Stick
Cycle Life <sup>[1]</sup>	6,000 cycles
Warranty	10-Year
IP Rating	IP20
Certification	TUV / IEC 62619 / IEC 62040 / IEC 61000 / UN 38.3

<sup>[1]</sup> Working condition: 0.5C @ 25 °C, 90% DoD.

- 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)