



PRODUCT OVERVIEW

The Power Lite Plus is a safe and scalable LFP battery solution that matches with 48V inverters. In the standard configuration, the compact single unit measures 3U in height. There is also the option of a vertical configuration. The innovative design allows for multi-parallel configurations in up to 16 units. Soon, this will be extended to 32 units. The flexible and scalable solution is suitable for a wide range of application scenarios.

Power Lite is compatible with major inverter brands including Victron, Goodwe, Growatt, with more brands being added to the list in the near future. Power Lite complies with global standards and has acquired IEC 62619/IEC 61000/UN 38.3 certificates.

FEATURES

- Easy installation.
- Slim & modern design.
- Advanced BMS control.
- Parallel capacity up to 160kWh.
- Black out and emergency back-up.
- Self-heating for low ambient temperatures.
- Remote monitoring with over-the-air updates.
- Compatible with wide range of inverters.
- Indoor and outdoor applications (IP65)

APPLICATIONS

- Residential energy storage.
- Off-grid energy storage.
- Micro-grid applications.
- UPS power supply.

Product Description

PART#	DESCRIPTION	VOLTAGE	CAPACITY	OUTPUT	WEIGHT
EV-PLPA-L1-10K2-U	200Ah 48v LiFePO4 Battery	51.2V	10.24kWh	200Ah	213.8 LBS

Specifications

MODEL#	EV-PLPA-L1-10K2-U
Cell Type	LiFePO4
Rated Capacity	200 Ah
Rated Voltage	51.2 V
Rated Energy	10.24 kWh
Max. Parallel Quantity	16 Sets in Parallel, 163.84 kWh
Rated Charging / Discharging Current	0.6C, 120 A
Max. Continuous Discharge Current	0.6C, 120 A
Battery Max. Charge / Discharge Power	6.14 kW / 6.14 kW
Peak Discharge Current / Power	160 A / 8.19 kW, 1 min
Available SOC Range	0% ~ 100%, 90% DOD is recommended
Dimensions	Width: 550 (±5) mm / 21.65 in, Depth: 165 (±5) mm / 6.50 in, Height: 1000 (±5) mm / 39.4 in
Weight	~213.8 lbs / ~97 kg
Operating Temperature	Charging Temperature: -5 °C~55 °C / 23 °F ~ 131 °F, Discharge Temperature: -15 °C ~ 55 C / 5 °F ~ 131 °F
Storage Temperature	-15 °C ~ 55 °C / 5 °F ~ 131 °F
Working Humidity	5 ~ 95% RH (Non-Condensing)
Altitude	≤ 5000 m / 16,404 ft
Communication	CAN / RS485 / WiFi (WiFi Stick Optional)
Cycle Life	6000
Warranty	10 Years
IP Rating	IP65
Certification	UL1973 / UL9540A / FCC / UN38.3 / RoHS / REACH