

Highlights

- + **Plug & Play, All-in-One**, AC-coupled solution **836 kWh battery** with advanced thermal management
- + **LFP cells from top class supplier**, assurance of long life and maximum safety
- + **Active equalization technology adopted in BMS**, for maximum safety and longevity
- + **AI equipped, energy management system (EMS)** with remote monitoring & maintenance service
- + **Economic & Efficient**, Round Trip Efficiency $\geq 88\%$
- + Fully independent **Active Fire Suppression system**
- + **Outdoor IP54** enclosure for any location **Installation and relocation friendly**



Office Park/Community

Peak-load Shifting
TOU Tariff Arbitrage
Electricity Cost Saving
Grid Auxiliary Service



Solar + Storage +Charging Station

Store Extra Solar Energy
Peak-load Shifting
Electricity Cost Saving
Eco-friendly Solution



Plaza/Hospital/Hotel

Peak-Shaving
Backup Power
Demand Side Response
Power Quality Optimization
TOU Tariff Arbitrage



Solar + Storage Microgrid

Backup Power
Store Extra Solar Energy
Distributed Energy Integration
Optimizing The Power
Grid Upgrading

Parameters/Model

PL-EL-250/836

Battery parameters

Cell and Capacity	LiFePO4 - 314Ah
Battery module type	1P208S *4P
System capacity range	836 kWh

AC side On-grid parameters

Grid type	3L/N/PE
Rated power	250kW
Rated voltage	AC 400V
Grid voltage range	±15%
Freq. range	50 Hz
Rated current	360A
Harmonics	≤3% (@rated power)

AC side Off-grid parameters

Load connection	3L/N/PE
Rated output power	250kW
Freq. range	50(±0.2)Hz
Rated voltage	AC 400V

General parameters

Dimensions (W*H*D)	2800mm*2500mm*1400mm
Weight	Around 7.5 tons
Ingress protection	IP54
Cooling	Liquid cooling
Firefighting system	Aerosol+Perfluorohexanone PACK-level fire protection + water inlet
Anti-corrosion grade	C3
Relative humidity	0-95% (no condensing)
Operating temp.*	-20°C~50°C
Operating altitude**	< 3000m
Noise emission	≤80dB
Communication interface	RS485, Ethernet
Protocol	Modbus RTU, Modbus TCP/IP
Warranty	Battery PACK for 5years, the other components for 2-year warranty

*The system will be derated when the ambient temperature exceeds 45°C.

** The system will be derated when the altitude is between 2000m and 3000m.