

### 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**, achieving an impressive 90% energy conversion efficiency
- + Fully independent **Active Fire Suppression system**
- + **Outdoor IP54** enclosure for any location **Installation and relocation friendly**, designed for forklift handling



#### 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	LiFePO <sub>4</sub> - 314Ah
Battery module type	1P52S*8S *2P
System capacity range	836 kWh

**AC side On-grid parameters**

Grid type	3P4W
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	3P4W
Rated output power	250kW
Freq. range	50(±0.2)Hz
Rated voltage	AC 400V

**General parameters**

Dimensions (W*H*D)	2650mm*2500mm*1400mm
Weight	8.6 tons
Ingress protection	IP65 (battery compartment) IP54(electrical compartment)
Cooling	Liquid cooling
Firefighting system	Aerosol+Perfluorohexanone PACK-level fire protection + active early warning
Anti-corrosion grade	C3
Relative humidity	0-95% (no condensing)
Operating temp.*	-20°C~50°C
Operating altitude**	< 2000m
Noise emission	≤75dB
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.