

### Highlights

- + **Plug & Play, All-in-One**, AC-coupled solution **261 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
- + **Standardised and expandable** battery storage system up to 10 units



#### 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-125/261**

<b>Battery parameters</b>	
Cell and Capacity	LiFePO <sub>4</sub> - 314Ah
Battery module type	1P52S*5S
System capacity range	261 kWh
<b>AC side On-grid parameters</b>	
Grid type	3P4W
Rated power	125kW
Rated voltage	AC 400V
Grid voltage range	±15%
Freq. range	50 Hz
Rated current	180A
Harmonics	≤3% (@rated power)
<b>AC side On-grid parameters</b>	
Load connection	3P4W
Rated output power	50kW
Freq. range	50(±0.2)Hz
Rated voltage	AC 400V
<b>General parameters</b>	
Dimensions (W*H*D)	1400mm*2350mm*1100mm
Weight	2.6 tons
Ingress protection	IP54 (battery compartment) IP34(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 emmision	≤75dB
Communication interface	RS485, Ethernet
Protocol	Modbus RTU, Modbus TCP/IP
Warranty	Battery PACK for 2years, 5-year performance 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.