PL-EL-100/209

PL-EL-125/261

All in one BESS Cabinet

Highlights

+ **Plug & Play, All-in-One**, AC-coupled solution.Battery up to 261kWh with advanced thermal management

+ **LFP cells from Tier-1 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 IP55** enclosure for any location **Installation and relocation friendly**, designed for forklift handling

+ **Standardised and expandable** battery storage system up to 12units off-grid

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-100/209	PL-EL-125/261
Battery Parameters		
Cell Type	LiFePO4 - 314Ah	
Grouping	1P52S*4S	1P52S*5S
System Capacity	209 kWh	261 kWh
AC side On-grid parameters		
Grid type	3P4W	
Rated power	100kW	125kW
Rated voltage	AC 400V	
Grid voltage range	±15%	
Freq. range	50 /60 (+/-2.5Hz)	
Rated current	144A	180A
Harmonics	≤3% (@Rated Power)	
AC side Off-grid parameters		
Load Connection	3P4W	
Rated Output Power	100kW	125kW
Freq. range	50/60 (±0.2)Hz	
Rated voltage	AC 400V	
General Parameters		
Dimensions (W*H*D)	1100mm*2350mm*1400mm	
Weight	2.33 ton	2.65 ton
IP Class	IP55 (battery PACK IP67)	
Cooling Method	Liquid cooling	
Firefighting	Aerosol+ PACK-level fire suppression system	
Anti-corrosion	C4	
Relative humidity	0-95% (no condensing)	
Operating temp.*	-30℃~50℃	
Operating altitude**	≤3000m	
Noise emmision	≤75dB	
Communication interface	RS485, Ethernet	
Protocol	Modbus RTU, Modbus TCP/IP	
Warranty	Battery PACK for 5years, 2-year performance warranty	

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

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