

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 IP55** 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

Model	PL-EL-250/836-G400	PL-EL-400/836-G400	PL-EL-215/836-G690	PL-EL-400/836-G690	PL-EL-400/836-G800
Battery Parameters					
Cell Type	LiFePO ₄ - 314Ah	LiFePO ₄ - 314Ah	LiFePO ₄ - 314Ah	LiFePO ₄ - 314Ah	LiFePO ₄ - 314Ah
Charging/ discharging rate	0.3P	0.5P	0.25P	0.5P	0.5P
Grouping method	1P208S *4P	1P208S *4P	1P416S *2P	1P416S *2P	1P416S *2P
Capacity	836 kWh	836 kWh	836 kWh	836 kWh	836 kWh
AC side grid-tied					
Grid connection	3L/N/PE	3L/N/PE	3L/PE	3L/PE	3L/PE
Rated Power	250kW	400kW	215kW	400kW	400kW
Rated Voltage	AC 400V	AC 400V	AC 690V	AC 690V	AC 690V
Voltage Scope	±15%	±15%	±15%	±15%	±15%
Frequency	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz
Rated current	360A	577.3A	179.9A	334.7A	334.7A
iTHD	≤3% (@Rated	≤3% (@Rated	≤3% (@Rated	≤3% (@Rated	≤3% (@Rated
AC side off-grid					
Load connection	3L/N/PE	3L/N/PE	3L/PE	3L/PE	3L/PE
Rated Power	250kW	400kW	215kW	400kW	400kW
Frequency	50Hz	50Hz	50Hz	50Hz	50Hz
Rated Voltage	AC 400V	AC 400V	AC 690V	AC 690V	AC 800V
General Parameters					
Dimensions (W*H*D)	2800mm*2500mm*1400mm				
Weight	7.7 tons	7.8 tons	7.65 tons	7.75 tons	7.75 tons
IP class	IP55				
Cooling method	Liquid Cooling				
Firefighting system	Aerosol+PACK-level fire protection + active early warning				
Anti-corrosion	C4				
Humidity Scope	0-95% (no condensing)				
Operating temp.*	-30°C~50°C				
Operating altitude**	≤3000m				
Noise	≤75dB				
Communication	RS485, Ethernet				
Protocol	Modbus RTU, Modbus TCP/IP				

*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.