

LiFP Battery Series

Lithium Battery System



System voltage rating

512VDC

System battery capacity

50Ah/100Ah

Characteristics

- Advanced LiFePO₄ cells for safety, reliability & extended cycle life.
- Higher energy density (by volume & weight), reducing floor space cost.
- Supports multi-cluster parallel connection for increased power output & extended backup time.
- Modular design for quick installation & easy maintenance.

Intelligent BMS with comprehensive monitoring, alarms & protection.

Specifications	512V/100AH	512V/50AH
System Rated Capacity	100AH	50AH
System Rated Voltage	512VDC	512VDC
Maximum Discharge Power	200kW@15mins(4C)	100kW@15mins(4C)
System Rated Energy	51.2kWh	25.6kWh
Number of Clusters	1	1
Total Number of Cabinets	1	1
Cabinet Cabling Method	Top cable entry and top cable exit	Top cable entry and top cable exit
Dimension (W*D*H) mm	600*1000*2000	600*1000*2000
Approximate Weight (kg)	900	550
Operating Temperature	Discharge: -20°C to 50°C, recommended 5°C to 40°C Charge: 0°C to 45°C, recommended 15°C to 30°C	
Storage Temperature	-5°C~35°C	
Altitude	Above 2500m, special request required	
Communication Interface	RS485 / Dry contacts	
Fire Protection Requirements	Perfluorohexanone (optional) / Aerosol (optional)	
IP Rating	IP20	