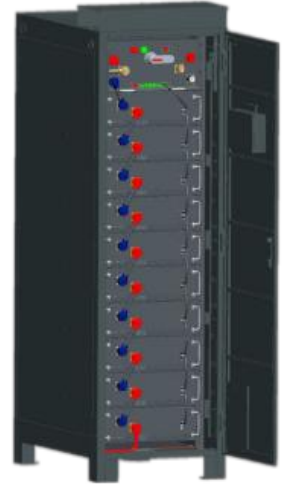


LiFP Battery Series

Lithium-Ion Battery Storage Cabinets



System voltage rating

512VDC

System battery capacity

100Ah

Overview

Provides safe and reliable LiFePO₄ battery solutions for UPS and energy storage systems. The battery system is designed for seamless compatibility with UPS applications and ESS scenarios, delivering high safety performance, long cycle life, and stable operation for critical power infrastructure.

Characteristics

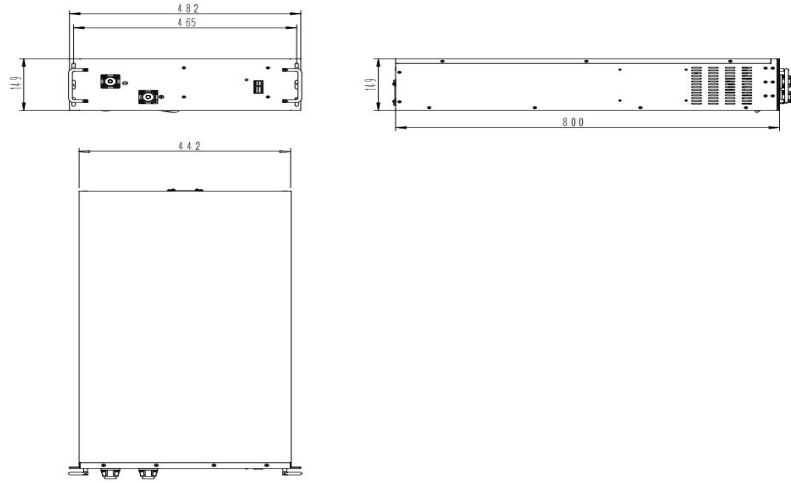
- Passive cell balancing with up to 200mA equalization current.
- High-precision voltage and temperature monitoring ($\pm 3\text{mV}$ / $\pm 1^\circ\text{C}$).
- Intelligent control for easy parallel operation.
- Built-in fire extinguishing system for 24/7 protection.
- IBB integrated busbar design without screws or cables.
- Real-time full-state battery and device management.
- High-precision leakage detection for enhanced system safety.



Model	LFP-512V100Ah				
Voltage Range(V)	448~552				
Cell	3.2V50Ah				
Rate Voltage	512				
Rated Capacity(Ah)	100				
Rated Energy(KWh)	51.2				
Recommended Charging Current(A)	20~50				
Discharge cut-off Voltage(V)	448				
Charge Voltage(V)	544~552				
Cycle Life (@25°C,0.5C/2C,100%DOD)	>2500				
Short-circuit Current(< 10ms)	Approx.9000				
System Dimension(W* D* H)	600*1000*2000(mm)				
Total Weight(Kg)	Approx. 900				
Internal Resistance Fully Charged@ 25°C	≤60m				
Thermal Management	Air Cooling				
Charge Temperature	0~50°C				
Discharge Temperature	-20 ~ 65°C				
Operating Humidity	<95%R.H.				
Communication	CAN/RS485/TCP				
System Parallels	≤15(GBMS)				
Dry Contact	3 outputs, 1 input				
Design life	15 years				
Certification	IEC62619, IEC60068,UL9540A, UL1973,CE-LVD(EN62477+62040),CE-EMC(IEC61000-6-2)				
Performance Data					
Time(min)	10	15	30	45	60
Constant Power(kw)	250	200	101	68	51
Constant Current(A)	510	400	200	133	100

Statement: The products will continue to be innovative and optimized, which may lead to asynchronous updates of the actual product and promotional materials. Therefore, this document is for reference only and does not constitute any offer or commitment.

Module Size



Characteristics Curve

