felicitysolar®

Make life full of hope



51.2V

LiFePO4 Battery Pack

FLB Series

Features

- Remote monitoring of battery pack data via built-in WiFi/Bluetooth.
- LiFePO4: Higher safe performance and longer cycle life.
- High-rate charging/discharging delivers fast energy flow and sustained power.
- CCS welding lowers battery internal resistance for enhanced performance.
- Equipped with an aerosol fire extinguishing system.
- Scalable expansion up to 32 pcs in parallel.
- Multiple Protection with built-in smart BMS, breaker and fuse.
- Compatible with leading inverter brands.
- Resist harsh environment with IP65-rate protection.
- Easily replace the battery fuse when it blows.



FLB48100~230WG1

Guangzhou Felicity Solar Technology Co.,Ltd.

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No. 2, Donghua Huaye Road, Renhe Town, Baiyun District, Guangzhou, China **(Only 10 Mins from Baiyun Airport)**

Official Website

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Model	FLB48100WG1	FLB48205WG1	FLB48230WG1
Battery Type	LiFePO4		
Nominal Energy	5.12kWh	10.5kWh	11.8kWh
Nominal Capacity	100Ah	205Ah	230Ah
Nominal Voltage	51.2V		
Operating Voltage	44.8~57.6V		
Recommend Charge/Discharge Current	50A	100A	100A
Max. Continuous Charge/Discharge Current[1]	100A	150A	150A
Peak Charge/Discharge Current(15s)	150A	200A	200A
Scalability	Max. 32 pcs in Parallel(163.84kWh)	Max. 32 pcs in Parallel(336kWh)	Max. 32 pcs in Parallel(377.6kWh)
Depth of Discharge(DOD)	⩾95%		
Display Type	LED		
Protection Degree	IP65		
Working Temperature Range	Charge: 0°C~+55 °C		
	Discharge: -20°C~+55 °C		
Storge Temperature Range	0°C~+35°C		
Humidity	5%~95%		
Altitude	⩽ 2000m		
Communication	RS485/CAN		
Cycle Life	⩾6,000 Cycles(25°C +2°C,0.5C/0.5C,90%DOD,70%EOL)		
Installation	Wall-Mounted / Floor-Mounted		
Protection	Built-in smart BMS, Breaker, Fuse		
Warranty Period	10 Years		
Certification	UN38.3		
Product Weight	48.5KG	86.5KG	91KG
Package Weight	53KG	106KG	111KG
Product Dimension	650X450X174MM	683x450x258 mm	683X450X258MM
Package Dimension	752X552X253MM	778x548x438 mm	778X548X438MM

[1] Max. Continuous Charge/Discharge Current is Affected by Temperature and SOC.

*Product specifications may vary during continuous improvements. Please contact us for latest details.

*Refer to Felicitysolar's Warranty Policy for applicable conditions.

Product Display



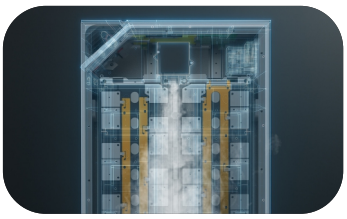
Patented External Fuse Design



Built-in WiFi/Bluetooth for Remote Monitoring



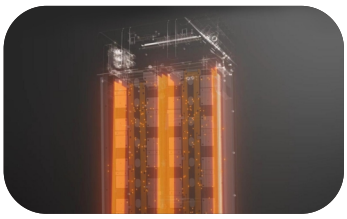
IP65 Protection Level



Aerosol Fire Extinguishing System



Top-mounted BMS for Efficient Cooling



Optional Thermal Module

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