

LiFePO4 Battery Pack

Low-voltage 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.
- Multiple Protection with built-in smart BMS, breaker and fuse.
- Scalable expansion up to 15 pcs in parallel.
- Compatible with leading inverter brands.
- Resist harsh environment with IP65-rate protection.
- Easily replace the battery fuse when it blows.
- Equipped with an aerosol fire extinguishing system.

FLB48100/230/250WG1 **FLB48314TG1**
(The battery's size varies according to its capacity.)

Model	FLB48100WG1	FLB48230WG1	FLB48250WG1	FLB48314TG1
Battery Type	LiFePO4			
Nominal Energy	5.12kWh	11.8kWh	12.5kWh	16kWh
Nominal Capacity	100Ah	230Ah	250Ah	314Ah
Nominal Voltage	51.2V			
Operating Voltage	45.6-57.6V			
Recommend Charge/Discharge Current	50A	100A	100A	75A
Max. Continuous Charge/Discharge Current [1]	100A	150A	150A	150A
Peak Charge/Discharge Current [1.5s]	150A	200A	200A	200A
Scalability	Max. 15 pcs in Parallel (16.8kWh)	Max. 15 pcs in Parallel (17.7kWh)	Max. 15 pcs in Parallel (19.2kWh)	Max. 15 pcs in Parallel (24.6kWh)
Depth of Discharge(DOD)	≥95%			
Display Type	LED			
Protection Degree	IP65			
Working Temperature Range	Charge: 0°C~+55°C Discharge: -20°C~+55°C			
Storage 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, 80%DOD, 70%EOL)			
Installation	Wall-Mounted / Floor-Mounted			
Protection	Built-in smart BMS, Breaker, Fuse			
Warranty Period	10 Years			
Certification	UN38.3			
Product Weight	51KG	91KG	91KG	133KG
Package Weight	57KG	109KG	109KG	142KG
Product Dimension	650X450X174MM	683X450X258MM	683X450X258MM	895X450X235MM
Package Dimension	752X552X253MM	778X548X388MM	778X548X388MM	950X548X244MM

[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



Easy Fuse Replacement