

LiFePO4 Battery

FLA Series | FLA48100~48230-EU

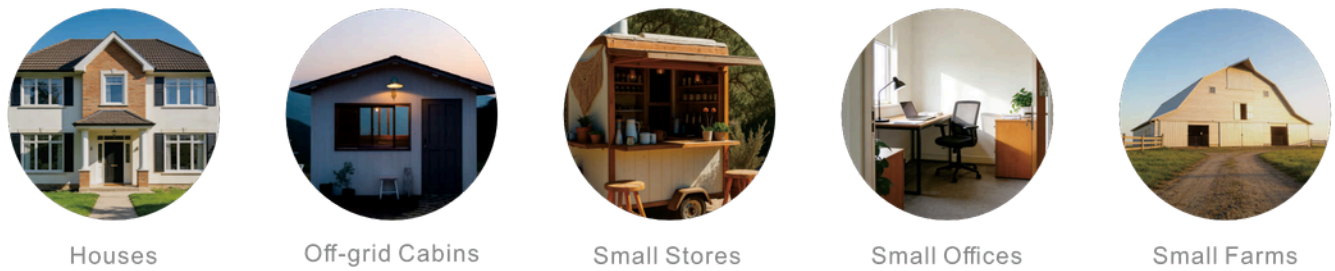


(The battery's size varies according to its capacity.)

Features

- Built-in fire protection system.
- Scalable expansion up to 15 pcs in parallel.
- Built-in WiFi / Bluetooth for remote monitor the battery pack data.
- LiFePO4: Higher safe performance and longer cycle life.
- Multiple Protection with built-in smart BMS, breaker and fuse.
- Compatible with leading inverter brands.
- Up to 10-year long warranty.

Scenarios



Specifications

Model	FLA48100-EU	FLA48171-EU	FLA48206WG1-EU	FLA48230-EU
Battery Type	LiFePO4			
Nominal Energy	5.12kWh	8.75kWh	10.5kWh	11.7kWh
Nominal Voltage	51.2V	51.2V	51.2V	51.2V
Operating Voltage	44.8-57.6V	44.8-57.6V	44.8-57.6V	44.8-57.6V
Max. Continuous Charge/Discharge Current [1]	100A	120A	160A	150A
Peak Charge/Discharge Current (15s)	150A	150A	300A	200A
Max. Charge/Discharge Power (15s)	7,500W	6,000W	8,200W	7,500W
Scalability	Max. 15 pcs in Parallel(76.8kWh)	Max. 15 pcs in Parallel(131.5kWh)	Max. 15 pcs in Parallel(157.5kWh)	Max. 15 pcs in Parallel(177kWh)
Depth of Discharge (DOD)	≥95%			
Communication	CAN2.0/RS485/WIFI/Bluetooth			
Protection Degree	IP21			
Cycle Life	≥ 6,000 Cycles		≥6,000@ 25°C Cycles	≥ 6,000 Cycles
Charging Temperature Range	0°C~+55 °C		-20~55°C	0°C~+55 °C
Discharging Temperature Range	-20°C~+55 °C		-20~55°C	-20°C~+55 °C
Display Type	LCD+LED			
Installation	Wall-Mounted / Floor-Mounted			
Warranty Period	10 Years			
Protection	Built-in smart BMS, Breaker, Fuse, Thermal Runaway Management System		BMS, Fuse, Breaker, MX+OF, Thermal Runaway Management System	Built-in smart BMS, Breaker, Fuse, Thermal Runaway Management System
Certification	IEC 62619, UN38.3, IEC/EN 61000-6-1/2/3/4		/	IEC 62619, UN38.3, IEC/EN 61000-6-1/2/3/4
Product Weight	55KG	68KG	90KG	97KG
Package Weight	77KG	88KG	101KG	115KG
Product Dimension	775X425X209MM	735X433X188MM	787 × 450 × 249MM	783X450X274MM
Package Dimension	892X545X385MM	849X550X362MM	900 × 568 × 344MM	900X570X450MM

[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

