








LiFePO4 Battery Pack

Low-voltage FLA Series

Features

-  Built-in fire protection system.
-  Scalable expansion up to 15 pcs in parallel.
-  Built-in WiFi 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 7-year long warranty.



FLA48100~250-EU

The battery's size varies according to its capacity.

Model	FLA48100-EU	FLA48200-EU	FLA48250-EU
Battery Type	LiFePO4		
Nominal Energy	5.12kWh	10kWh	12.5kWh
Nominal Voltage	51.2V	51.2V	51.2V
Operating Voltage	44.8-57.6V	44.8-57.6V	44.8-57.6V
Recommend Charge/Discharge Current[1]	≤100A	≤120A	≤150A
Recommend Charge/Discharge Power[1]	≤5,000W	≤6,000W	≤7,500W
Maximum Charge/Discharge Current(15s)	150A	150A	200A
Maximum Charge/Discharge Power(15s)	7,500W	7,500W	10,000W
Scalability	Max. 15 pcs in Parallel(76.8kWh)	Max. 15 pcs in Parallel(150kWh)	Max. 15 pcs in Parallel(187kWh)
Depth of Discharge(DOD)	≥95%		
Communication	RS485/CAN		
Protection Degree	IP21		
Cycle Life	≥ 6000 Cycles (25°C±2°C,0.5C/0.5C,90%DOD,70%EOL)		
Charging Temperature Range	0°C~+55 °C		
Discharging Temperature Range	-20°C~+55 °C		
Display Type	LCD+LED		
Installation	Wall-Mounted / Floor-Mounted		
Protection	Built-in smart BMS, Breaker, Fuse		
Warranty Period	10 years		
Certification	UN38.3、CE-EMC、 IEC 62619	UN38.3、CE-EMC、 IEC 62619、CB	UN38.3、CE-EMC、 IEC 62619
Product Weight	48KG	68KG	97KG
Package Weight	55KG	88KG	115KG
Product Dimension	663X400X178MM	735X433X188MM	783X450X274MM
Package Dimension	782X522X262MM	849X550X362MM	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



Built-in WiFi/Bluetooth for Remote Monitoring



Aerosol Fire Extinguishing System



Support Wall Mounted Installation



Wide Inverter Compatibility

