felicitysolar®

Make life full of hope

51.2V

LiFePO4 Battery Pack

FLA Series

Features

- Scalable expansion up to 15 pcs in parallel.
- Built-in WiFi for remote monitor the battery pack data.
- Flexible Installation: wall-mounted or floor-mounted.
- 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.

FLA 48V Series
The battery's size varies according to its capacity.

Model	FLA48100	FLA48200	FLA48200-P	FLA48230	FLA48250
Battery Type	LiFePO4				
Nominal Energy	5.12kWh	10kWh	10.5kWh	11.8kWh	12.5kWh
Nominal Voltage	51.2V	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	44.8-57.6V
Recommend Charge/Discharge Current[1]	≤100A	≤120A	≤150A	≤150A	≤150A
Recommend Charge/Discharge Power[1]	≤5,000W	≤6,000W	≤7,500W	≤7,500W	≤7,500W
Maximum Charge/Discharge Current(15s)	150A	150A	200A	200A	200A
Maximum Charge/Discharge Power(15s)	7,500W	7,500W	10,000W	10,000W	10,000W
Scalability	Max. 15 pcs in Parallel(76.8kWh)	Max. 15 pcs in Parallel(150kWh)	Max. 15 pcs in Parallel(157.4kWh)	Max. 15 pcs in Parallel(176.6kWh)	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	7 Years				
Certification	UN38.3、CE-EMC、IEC 62619	UN38.3、CE-EMC、IEC 62619、CB	UN38.3、CE-EMC、IEC 62619	UN38.3、CB	UN38.3、CE-EMC、IEC 62619
Product Weight	48KG	68KG	92KG	92KG	97KG
Package Weight	55KG	88KG	115.6KG	115.6KG	115KG
Product Dimension	663X400X178MM	735X433X188MM	783X450X274MM	783X450X274MM	783X450X274MM
Package Dimension	782X522X262MM	849X550X362MM	900X570X450MM	900X570X450MM	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