








51.2V

LiFePO4 Battery Pack

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.



FLA48230~FLA48250



Model	FLA48230	FLA48250
Battery Type		
Nominal Energy	11.8kWh	12.5kWh
Nominal Voltage	51.2V	51.2V
Operating Voltage	44.8-57.6V	44.8-57.6V
Recommend Charge/Discharge Current[1]	≤150A	≤150A
Recommend Charge/Discharge Power[1]	≤7,500W	≤7,500W
Maximum Charge/Discharge Current(15s)	200A	200A
Maximum Charge/Discharge Power(15s)	10,000W	10,000W
Scalability	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、CB	UN38.3、CE-EMC、 IEC 62619
Product Weight	92KG	97KG
Package Weight	115.6KG	115KG
Product Dimension	783X450X274MM	783X450X274MM
Package Dimension	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



Longer Lasting LiFePO4 Battery



Built-in WiFi/Bluetooth



Max. 15 Units in Parallel



Aerosol Fire Extinguishing System



Easy Fuse Replacement Design



Real-time Status via LCD Display

Guangzhou Felicity Solar Technology Co.,Ltd.

 www.felicitysolar.com
 sales@felicitysolar.com
 No. 2, Donghua Huaye Road, Renhe Town, Baiyun District, Guangzhou, China (Only 10 Mins from Baiyun Airport)



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