felicitysolar®

Make life full of hope



51.2V

LiFePO4 Battery Pack

FLA-EU 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 10-year long warranty.



FLA48100-EU~FLA48250-EU

Guangzhou Felicity Solar Technology Co.,Ltd.

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No. 2, Donghua Huaye Road, Renhe Town, Baiyun District, Guangzhou, China **(Only 10 Mins from Baiyun International Airport)**

Official Website

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Model	FLA48100-EU	FLA48171-EU	FLA48230-EU	FLA48250-EU
Battery Type	LiFePO4			
Nominal Energy	5.12kWh	8.75kWh	11.8kWh	12.5kWh
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	150A	150A
Peak Charge/Discharge Current(15s)	150A	150A	200A	200A
Max. Charge/Discharge Power(15s)	7,500W	6,000W	7,500W	10,000W
Scalability	Max. 15 pcs in Parallel(76.8kWh)	Max. 15 pcs in Parallel(131.5kWh)	Max. 15 pcs in Parallel(177kWh)	Max. 15 pcs in Parallel(187.5kWh)
Depth of Discharge(DOD)	⩾95%			
Communication	RS485/CAN			
Protection Degree	IP21			
Cycle Life	⩾ 6000 Cycles			
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	UN38.3、CE-EMC
Product Weight	55KG	68KG	97KG	97KG
Package Weight	77KG	88KG	115KG	115KG
Product Dimension	775X425X209MM	735X433X188MM	783X450X274MM	783X450X274MM
Package Dimension	892X545X385MM	849X550X362MM	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

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