Felicitysolar®

Make life full of hope



12.8V

LiFePO4 Battery Pack

Low-voltage

Features

- Scalable expansion up to 16 pcs in parallel.
- Flexible Installation: Floor-Mounted.
- LiFePO4: Higher safe performance and longer cycle life.
- Multiple Protection with built-in smart BMS, and fuse.
- Compatible with leading inverter brands.
- Up to 5-year long warranty.



FLA12100



FLA12200



FLA12300

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	FLA12100	FLA12200	FLA12300
Battery Type	LiFePO4		
Nominal Energy	1.28kWh	2.56kWh	3.75kWh
Nominal Voltage	12.8V	12.8V	12.8V
Operating Voltage	11.2V-14.4V	11.2V-14.4V	11.2V-14.4V
Recommend Charge/Discharge Current[1]	⩽100A	⩽100A	⩽100A
Recommend Charge/Discharge Power[1]	⩽1,250W	⩽1,500W	⩽1,875W
Maximum Charge/Discharge Current(15s)	150A	200A	200A
Maximum Charge/Discharge Power(15s)	1,875W	2,500W	2,500W
Scalability	Max. 16 pcs in Parallel(20.48kWh)	Max. 16 pcs in Parallel(40.96kWh)	Max. 16 pcs in Parallel(60kWh)
Depth of Discharge(DOD)	⩾95%		
Communication	RS485/CAN		
Protection Degree	IP21		
Cycle Life[2]	⩾6,000 Cycles		
Charging Temperature Range	0°C~+55 °C		
Discharging Temperature Range	-20°C~+55 °C		
Display Type	LED		
Installation	Floor-Mounted		
Protection	Built-in smart BMS, Fuse		
Warranty Period	5 Years		
Certification	UN38.3		
Product Weight	10KG	15KG	26KG
Package Weight	12KG	18KG	29KG
Product Dimension	295X201X199MM	328X248X199MM	379X241X286MM
Package Dimension	357X263X261MM	391X310X257MM	443X305X344MM

[1] Max. Continuous Charge/Discharge Current is Affected by Temperature and SOC.

[2] Test Conditions: 0.2C Charging/Discharging @25°C,80% DOD

*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



Support 16 Pcs in Parallel



Real-time Status via LCD Screen & LED



Wide Inverter Compatibility

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