

LiFePO4 Battery

FLA Series | FLA48314-PLUS

Low-voltage



Features

- LiFePO4: higher safe performance and longer cycle life.
- Build-in WiFi / Bluetooth for real-time monitoring.
- Equipped with aerosol fire extinguishing system.
- Max. 32 units in parallel.
- IP65 protection level.
- External fuse design for easy replacement.
- Compatible with leading inverter brands.

Scenarios



Houses



Off-grid Cabins



Small Stores



Small Offices



Small Farms

Specifications

Model	FLA48314-PLUS
Battery Type	LiFePO4
Nominal Energy	16kWh
Nominal Capacity	314Ah
Nominal Voltage	51.2V
Operating Voltage	44.8~57.6V
Max. Continuous Charge/Discharge Current[1]	160A
Peak Charge/Discharge Current(15s)	300A
Scalability	Max. 32 pcs in Parallel(512kWh)
Depth of Discharge(DOD)	≥95%
Display Type	LED
Protection Degree	IP65
Working Temperature Range	Charge: 0°C~+55 °C
	Discharge: -20°C~+55 °C
Storge Temperature Range	0°C~+35°C
Humidity	5%~95%
Altitude	≤ 2000m
Communication	CAN2.0/RS485/WIFI/Bluetooth
Cycle Life	≥8,000 Cycles(25°C +2°C,0.5C/0.5C,90%DOD,70%EOL)
Installation	Floor-Mounted
Protection	Built-in smart BMS, Breaker, Fuse
Warranty Period[2]	7 Years
Certification	UN38.3
Product Weight	121KG
Package Weight	143KG
Product Dimension	450X895X235MM
Package Dimension	958X548X440MM

[1] Max. Continuous Charge/Discharge Current is Affected by Temperature and SOC.
[2] Conditions apply, refer to Felicitysolar Warranty policy.
*Product specifications may vary during continuous improvements. Please contact us for latest details.
*Refer to Felicitysolar's Warranty Policy for applicable conditions.

Product Display



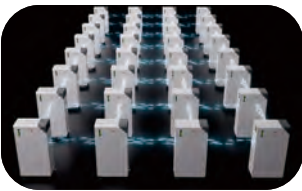
Patented External Fuse Design



8000 High Cycle Life



Built-in WiFi/Bluetooth for Remote Monitoring



Scalable expansion up to 32 pcs in parallel