

LiFePO4 Battery

FLA Series | FLA48300TG2

Low-voltage



Features

- LiFePO4: higher safe performance and longer cycle life.
- Enhanced safety with aerosol fire extinguishing system.
- Multiple protection with built-in smart BMS, breaker and fuse.
- Built-in WiFi / bluetooth for real-time monitoring.
- Scalable expansion up to 15 pcs in parallel.
- Compatible with leading inverter brands
- External battery fuse design for easy replacement.

Scenarios



Houses



Off-grid Cabins



Small Stores



Small Offices



Small Farms

Specifications

Model	FLA48300TG2
Battery Type	LiFePO4
Nominal Energy	15kWh
Nominal Voltage	51.2V
Operating Voltage	44.8-57.6V
Recommend Charge/Discharge Current	80A
Max. Continuous Charge/Discharge Current[1]	160A
Peak Charge/Discharge Current(15s)	230A
Max. Charge/Discharge Power	8,000W
Peak Charge/Discharge Power(15s)	11,500W
Scalability	Max. 15 pcs in Parallel(225kWh)
Depth of Discharge(DOD)	≥95%
Communication	CAN2.0/RS485/WIFI/Bluetooth
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	Floor-Mounted
Protection	Built-in Smart BMS, Breaker, Fuse
Warranty Period	7 Years
Product Weight	118.5KG
Package Weight	140.5KG
Product Dimension	435X880X247MM
Package Dimension	960X555X450MM

[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



External Battery Fuse Design



Support 15 Pcs in Parallel