

51.2V

LiFePO4 Battery FLA Series

Features

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



FLA48300TG2



Model	FLA48300TG2	
Battery Type	LiFePO4	
Nominal Energy	15kWh	
Nominal Voltage	51.2V	
Operating Voltage	44.8-57.6V	
Max. Continuous Charge/Discharge Current[1]	160A	
Peak Charge/Discharge Current(15s)	23A	
Max. Charge/Discharge Power	8,000W	
Scalability	Max. 15 pcs in Parallel(225kWh)	
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	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



Longer Lasting LiFePO4 Battery



Support 15 Pcs in Parallel

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