

Flin Energy LiFePO4 Battery



Features

- ✦ In-Built WiFi Monitoring
- ✦ Inbuilt communication with Flin Inverters
- ✦ Up to 50A charging current
- ✦ Up to 150A discharging current
- ✦ Continuous discharge load of up to 7.2kW
- ✦ 3000 Cycle life
- ✦ Ability to parallel up to 16 modules

Technical Specifications of FlinEnergy 16S LFP Battery

	16S LFP Battery	48V Battery 100Ah LiFePO4
General Characteristics	Operating Voltage (V)	51.2V
	Capacity (Ah)	100Ah
	No of Cells	16
	Cell Type	Prismatic
	Cell Chemistry	LFP
Electrical Characteristics	Recommended Pack Charging Voltage (V)	56V
	Maximum Pack Charging Voltage (V)	56.8V
	Recommended Pack Discharge Cut-Off Voltage (V)	45.6V
	Minimum Pack Discharge Cut-Off Voltage (V)	44.8V
	Charging Mode	CCCV
	Recommended Charging Current (A)	<=20A
	Maximum Charging Current (A)	50A
	Standard Discharge Current (A)	150A
	Cell Discharge Protection Level (V)	2.85V
	Cell Charge Protection Level (V)	3.5V
Cycle Life (at 25 degrees Celsius)	3000	
Protection	BMS Type	Microprocessor with parallel protection
	Communication	RS485, Bluetooth, WiFi
	Cell Balancing	Passive Balancing
	Over Current Protection	Yes
	Short Circuit Protection	Yes
	Temperature Protection	Yes
Temperature	Working Temperature (degree Celsius)	Charge temp: 0-50 Discharge temp: -10 to 50
	Storage Temperature (degree Celsius)	0-45
Mechanical Characteristics	Casing Type	MS, rack mountable
	Weight	54.6kgs
	Dimensions (l x w x h) mm	482 x 600 x 175