



FlinAmp 150

2.5kWh LiFePO4 Battery

Smart BMS with Inverter Communication

Up to 150A Discharge Current

FlinAmp 150: Leading the way in energy storage, our 2.5kWh LiFePO4 Battery offers cutting-edge design for optimal performance, safety, and longevity. This rechargeable lithium iron phosphate (LiFePO4) battery stands out with advanced features, making it the reliable choice for diverse applications.

FlinAmp 150 2.5kWh LiFePO4 Battery is not just a power storage solution; it is a smart, reliable, no-maintenance, and safe choice for those seeking advanced energy storage technology with seamless integration capabilities.

Features

- ✦ 150A peak discharge current
- ✦ Built-in intelligent BMS with advanced safeguards
- ✦ Integrated RS485 communication with Flin Inverters
- ✦ Continuous load discharge up to 3.75kW
- ✦ 3000 Cycle life
- ✦ Zero Maintenance storage solution
- ✦ Compatible with various inverters-chargers and solar inverters
- ✦ Built-In WiFi Monitoring

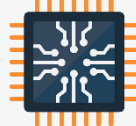


High Discharge Current



Capable of handling 3.75kW or 150A loads, the FlinAmp 150 is a robust power solution. Operating at a 1.5C rate, this battery module delivers consistent power for various applications, making it reliable for both homes and industries.

Powerful BMS with Smart Monitoring



The intelligent Battery Management System (BMS) syncs with Flin inverters and those from other brands, such as Deye, ensuring a unified and integrated energy storage system. The built-in WiFi monitoring enables remote tracking of all parameters.

Built In Protections



Safety is paramount. FlinAmp 150 comes with a range of built-in protections, including overcharge protection, short circuit protection, and passive balancing. These features ensure the longevity of the battery while keeping your system secure.

Why FlinAmp 150?

	FlinAmp 150	Other Lithium	Lead Acid
Space Saving	✓ Up to 85% saving	✓ Up to 85% saving	✗
Life Span	8-10 year	8-10 year	3-5 years
Cycle Life	3000	3000	300-1500
Discharge current	150A	100A	Not Suitable
Round trip charge discharge efficiency	98%	98%	60%
Maintenance	No Maintenance	No Maintenance	Every 3 months
Communication with Inverter	Yes	No	No
Remote Monitoring	Yes	No	No
Battery Management System (BMS)	Smart BMS	Regular BMS	No

Specification for FlinAmp 150 LiFePO4 Battery

Model	FlinAmp 150, 2.5kWh LiFePO4 Battery	
General Characteristics	Nominal Voltage	25.6V
	Capacity	100Ah
	Energy	2560 Wh
	No of Cells	8
	Cell Type	Prismatic
	Cell Chemistry	LFP
Electrical Characteristics	Recommended Pack Charging Voltage	28V
	Maximum Pack Charging Voltage	28.4V
	Recommended Pack Discharge Cut-Off Voltage	22.8V
	Minimum Pack Discharge Cut-Off Voltage	22.4V
	Charging Mode	CCCV
	Recommended Charging Current	<=20A
	Maximum Charging Current	50A
	Maximum Discharge Current	150A
	Cell Discharge Protection Level	2.85V
	Cell Charge Protection Level	3.6V
Protections	Cycle Life (at 25 degrees Celsius)	3000
	BMS Type	Smart
	Communication	RS485, Bluetooth & WiFi
	Cell Balancing	Passive Balancing
	Over Current Protection	Yes
	Short Circuit Protection	Yes
Temperature	Temperature Protection	Yes
	Working Temperature (degree Celsius)	Charge temp: 0-50 Discharge temp: -10 to 50
Mechanical Characteristics	Storage Temperature (degree Celsius)	0-45
	Casing Type	MS, rack mountable
	Weight	27 kgs
	Dimensions (l x w x h) mm	482 x 600 x 175

*Product Specifications are subject to change without prior notice.