

Smart BMS with Inverter Communication

Up to 150A Discharge Current

Warranty 10 years

Parallel up to 16 batteries

FlinAmp 150: Leading the way in energy storage, our 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 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 7.2kW
- ✦ 6000 Cycle life
- ✦ Stackable with the capability to parallel up to 16 modules
- ✦ Zero Maintenance storage solution
- ✦ Compatible with various inverters-chargers and solar inverters
- ✦ Built-In WiFi Monitoring

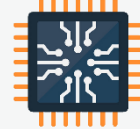


High Discharge Current



Capable of handling 7.2kW 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 a microprocessor with parallel protection, overcharge protection, short circuit protection, and passive balancing. These features ensure the longevity of the battery while keeping your system secure.

Comprehensive Display



Stay informed with the comprehensive display that provides real-time information on crucial parameters. From charging and discharging currents to the percentage of discharge and State of Charge (SOC), the user-friendly interface keeps you in control of your energy storage system.

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	6000	6000	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, 5kWh LiFePO4 Battery
General Characteristics	Nominal Voltage	51.2V
	Capacity	105Ah
	No of Cells	16
	Cell Type	Prismatic
	Cell Chemistry	LFP
Electrical Characteristics	Recommended Pack Charging Voltage	56V
	Maximum Pack Charging Voltage	56.8V
	Charging Mode	CCCV
	Recommended Charging Current	<=30A
	Maximum Charging Current	50A
	Maximum Discharge Current	150A
	Cell Discharge Protection Level	2.85V
	Cell Charge Protection Level	3.5V
	Cycle Life (at 25 degrees Celsius)	6000
Protections	BMS Type	Microprocessor with parallel protection
	Communication	RS485, CAN, WiFi & Bluetooth
	Cell Balancing	Active 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	55 kgs
	Dimensions (l x w x h) mm	482 x 600 x 179.5

*Product Specifications are subject to change without prior notice.