

Lithium Iron Phosphate Rechargeable Battery

Model: FN-LB100 12.8V 100Ah



BATTERY FEATURES:

- * Super safe lifePo4 chemistry reducing the risk of explosion or combustion;
- * Built-in BMS provides optimum safety by over-charge, over discharge, temperature protections.
- * Deliver twice power of VRLA batteries
- * Faster charging and lower self-discharge;
- * Up to 10 times more cycles than VRLA batteries;
- * Light weight: only about 40% of the VRLA batteries;

Battery Specification

Basic Characteristics	Chemistry	LifePo4	
	Nominal Voltage	12V	
	Nominal Capacity	100Ah	
	Energy (Wh)	1280Wh	
	Inner Resistance	《60mΩ	
	Cycle life @ 80% DOD & 0.2C & 25°C	》2500 cycles	
	Months Self Discharge	《3%	
Charging Characteristics	Charge Cut-off Voltage	14.4V	Max. 14.6V
	Standard Charge Current	20A	
	Max. Charge Current:	50A	
Discharge Characteristics	Standard Discharge Current	20A	
	Max. Continuous Discharge Current	100A	
	Max. Discharge Current	150A <5min	
	Peak Discharge Current	200A 1S	
	Discharge Cut-off Voltage	10V	
Operating Temperature	Charge Temperature	0°C~45°C	
	Discharge Temperature	: -20°C~+60°C	
	Storage Temperature (at 50% SOC)	Within 1 month	: -10~40°C
		Within 3 months	: 0~35°C
		Within 1 year	: 0~25°C
Mechanical Characteristics	Storage Humidity	《75%	
	Outline Size:	330 x 172 x 216 (L x W x H) mm	
	Net Weight about:	11.5KGS	
	Shell Material:	ABS	
BMS Functions	Terminal	M8 Copper terminal	
	Over-Charge, Over-Discharge Protection, Over-current /Short-Circuit Protections, Temperature Protections, Balance Charging Functions.		
Connection	Single use or Parallel Number ≤4pcs, Serial connection is not allowed		
Certifications	Battery: CE, UN38.3, MSDS,		
	Transportation Classification: UN3480, CLASS 9		
Note	The battery can be customized as customer's requirement.		