

SPECIFICATION FOR LFPO4 BATTERY



Lithium Ferro Phosphate

TECHNICAL SPECIFICATION		Nominal Voltage	12.8V
		Nominal Capacity	90Ah
No	Item	Condition	Specification
1	Chemistry		LFPO4
2	Charging	Cut Off voltage	14.6 ± 0.05V
3		Release voltage	14.4 ± 0.1V
4		Max Charging voltage	15V
5	Discharging	Cut Off voltage	8.4 ± 0.1V
6		Release voltage	9.2 ± 0.1V
7			
8	Current	Over Charging current	20A
9		Over Discharging current	20A
10	Short detection	Short detection delay time	100~350us
11		Release Conditions	Cut off load
12	Temperature protection	Charge temperature protection	-10°C ~ +50°C
13	Temperature protection	Discharge temperature protection	-10°C ~ +50°C
14	Self Discharge	In Three Months	<3%
15	IR resistance	Battery	≤22.00 mΩ
16	Suggested working conditions	Max continuous charge/discharge current	10A / 10A
17		Working temperature	-10°C ~ +45°C
18	NTC	NTC (-20 ~ +40)°C	Inbuilt
19	Cycles Life	80% DOD	>2500
20	Storage	Temperature	-10°C ~ +50°C
21	Weight	Approx.	12 Kg
22	Dimensions	L-320mm (±05mm) X W-160mm (±05mm) X H-150mm (±05mm)	
23	Compliances Specifications	ISO 9001:2015	