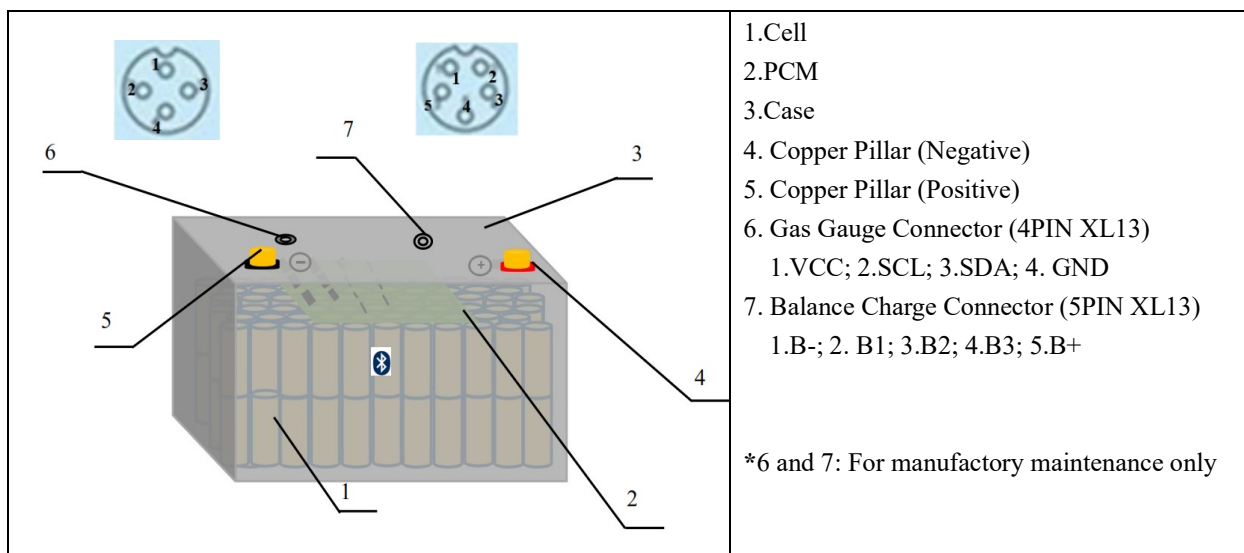




Model Name: LF-LA12V99

1. LiFePO4 12.8V 99.2Ah Rechargeable Battery

Item	Specification	Notes	
Typical Capacity	99.2Ah	0.2C discharge	
Minimum Capacity	96.2Ah	0.2C discharge	
Nominal Voltage	12.80V		
Charging Voltage	14.40V±0.25V		
End Voltage	8.8V±0.1V		
Charge Current (Std.)	20A	0 to 40°C	
Charge Current (Max.)	99.2A	0 to 40°C	
Charge Time (Std.)	5-7 hours		
Charge Time (Fast)	2-3 hours		
Discharge Current (Std.)	20A	-20 to 60°C	
Discharge current (Max continues)	100A	-20 to 60°C	
Discharge Current (Max.)	150A	-20 to 60°C	
Internal Resistance (25°C)	<20mΩ	AC Impedance 1KHz	
Net Weight	15Kg / 33LB		
Dimension (LxWxH)	13x6.8x8.75 inch 340x173x222 mm	With Copper Pillar Dia x H: 19x30mm	
	13x6.8x8.25 inch 340x173x210 mm	Without Copper Pillar Dia x H: 19x30mm	
Storage Temperature	Within 1 month	-20 to 60°C	Percentage of recoverable capacity: 80%
	Within 3 months	-20 to 45°C	
	Within 1 Year	-20 to 20°C	
UN38.3		Passed	





2. PCM Specification

Item	Specification	
Voltage	Charge voltage	DC:14.40V CC/CV
	Cell balance voltage	3.6V
Current	Cell balance current	72±10mA
	Current consumption	≤20μA
	Maximal charging current	100A
	Maximal continuous Discharging current	100A
Over-charge Protection	Over charge detection voltage	3.75V±0.05V / cell
	Over charge detection delay time	0.5S – 2S
	Over charge release voltage	3.8V±0.1V
Over-discharge protection	Over discharge detection voltage	2.20V±0.1V / cell
	Over discharge detection delay time	10 ms – 200ms
	Over discharge release voltage	2.30V±0.1V
Over-current protection	Over current detection current	200±10A
	Detection delay time	5ms – 20ms
	Release condition	Cut load
Short protection	Detection condition	Exterior short circuit
	Detection delay time	200 – 500us
	Release condition	Cut load
Resistance	Protection circuitry (B- TO P-)	≤10mΩ
Temperature	Operating Temperature Range	-40 to 85°C
	Storage Temperature Range	-40 to 125°C

3. Packing

