

# LITHIUM IRON PHOSPHATE BATTERY

## M-LFP12150



### HIGH CYCLE LIFE

>5000 cycles @80% DOD for effectively lower total cost of ownership.



### LONGER SERVICE LIFE

Low maintenance batteries with stable chemistry. Easily monitor state of charge (SOC) of smart models.



### BUILT IN CIRCUIT PROTECTION

Battery Management Systems (BMS) are incorporated against abuse.



### BETTER STORAGE

Up to 6 months thanks to its extremely low self discharge (LSD) rate and no risk of sulphation.



### QUICKLY RECHARGE

Save time and increase productivity with less down time thanks to superior charge /discharge efficiency.



### EXTREME HEAT TOLERANCE

Suitable for use in a wider range of applications where ambient temperature is unusually high: up to +60°C.



### LIGHTWEIGHT

Lithium batteries provide more Wh/Kg while also being up to 1/3 the weight of its SLA equivalent.

## Normal Parameters

No.	Item for Battery System		General Parameter	Remark
1	Model No#		M-LFP12150	
2	Nominal Voltage		12.8 V	
3	Standard capacity for battery system		150.0 Ah	
4	Energy		1,920.0 Wh	
5	Cycle Life		≥6,000 cycles @80% DOD	
6	Designed lifespan		≥10 years	
7	Period of Warranty		3 years	
8	Short Circuit Protection		Yes	
9	Size	Length	485 mm	
		Width	172 mm	
		Height	240 mm	
10	Limited Charge Voltage		14.6 ±0.1V	
11	Floating Charge Voltage		14.0 ±0.1V	
12	Standard Charging Method		Constant current 0.2C, Constant voltage 14.6V, 0.01C cut-off	CC/CV
13	Max. Charge Current		75.0 A	
14	Cut-off Voltage		10.4 V	
15	Max Continuous Discharge Current		150.0 A	1C
16	Operating Temperature	Charge	0~55°C, 45~85%RH	
		Discharge	-20~55°C, 45~85%RH	
17	Weight		Approx. 14.7 Kg	
18	Full voltage difference of battery pack		≤20mV	Standard charging
	(10 minutes of static test with full charge)			
19	IP grate		IP 55	



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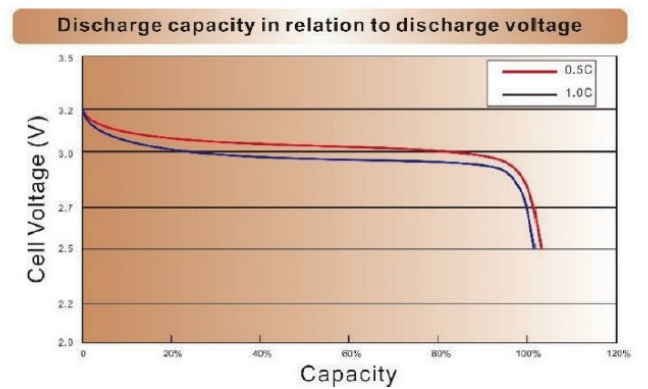
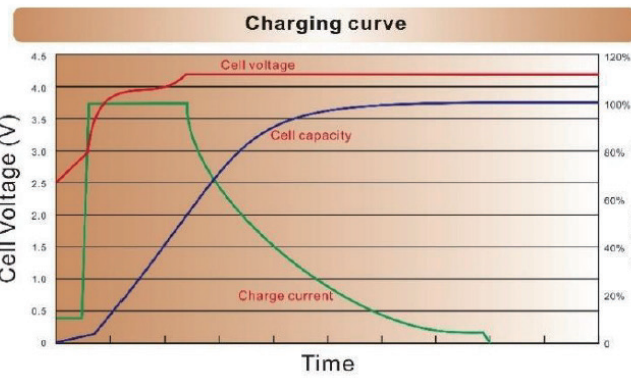
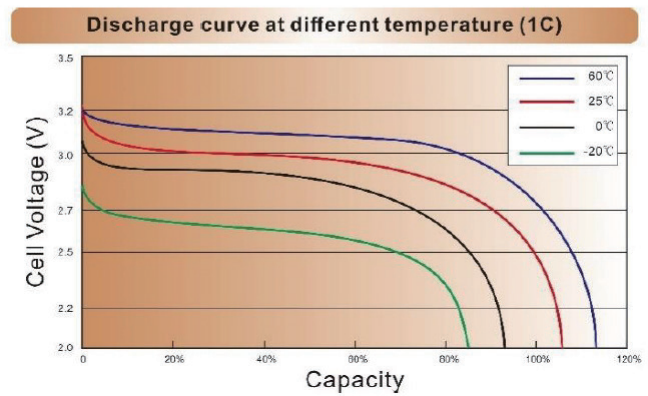
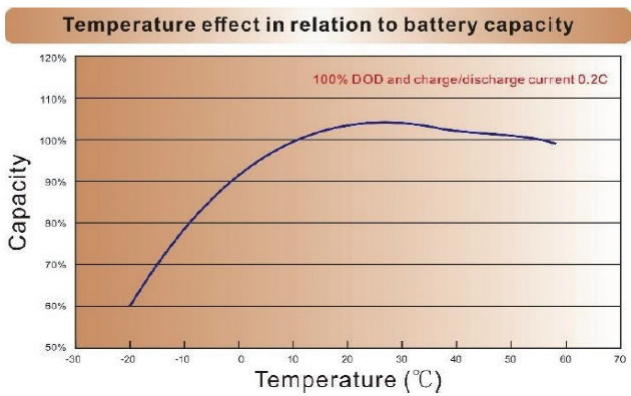
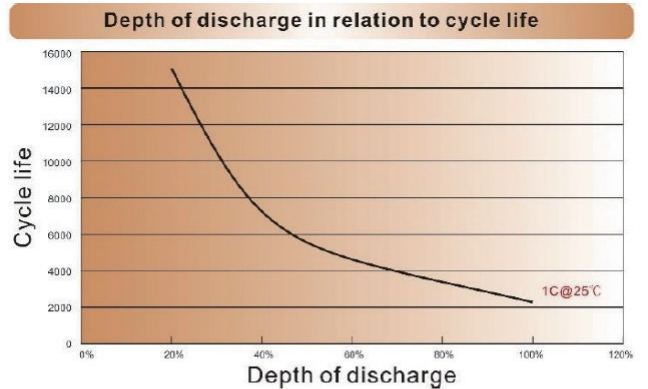
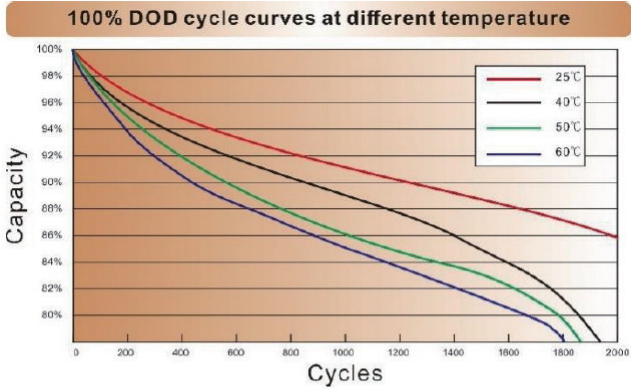


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# Battery Standard Performance Summary Chart



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