



LITHIUM IRON PHOSPHATE BATTERY

M-LFP12100



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-LFP12100	
2	Nominal Voltage		12.8 V	
3	Standard capacity for battery system		100.0 Ah	
4	Energy		1,280.0 Wh	
5	Cycle Life		≥6,000 cycles @80% DOD	
	Designed lifespan		≥10 years	
7	Period of Warranty		3 years	
8	Short Circuit Protection		Yes	
9	Size	Length	330 mm	
		Width	171 mm	
		Height	220 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		60.0 A	
14	Cut-off Voltage		10.4 V	
15	Max Continuous Discharge Current		120.0 A	
16	Operating Temperature	Charge	0~55°C, 45~85%RH	
		Discharge	-20~55°C, 45~85%RH	
17	Weight		Approx. 10 Kg	
18	Full voltage difference of battery pack (10 minutes of static test with full charge)		≤20mV	Standard charging
	IP grate		IP 55	



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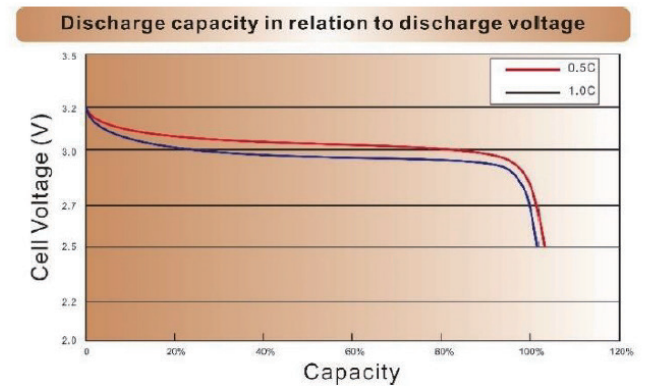
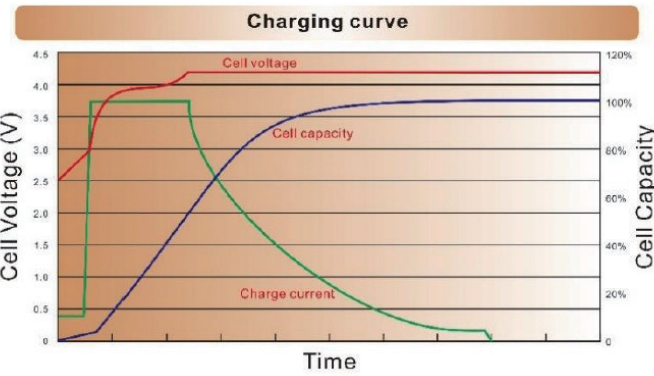
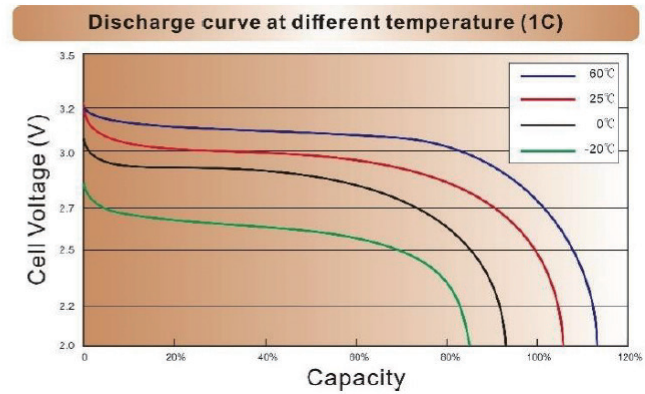
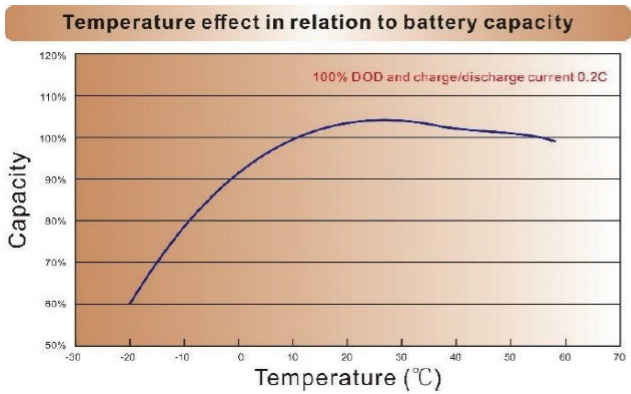
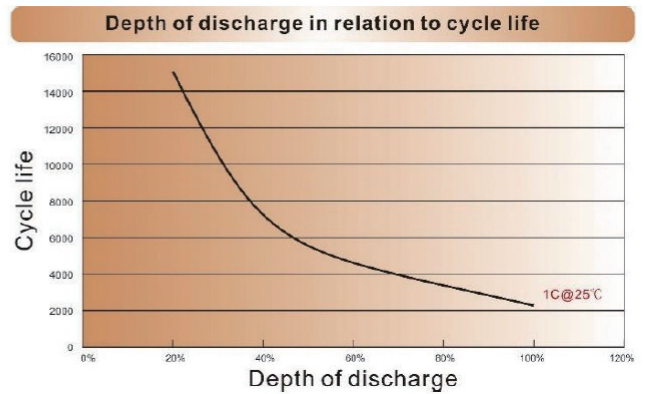
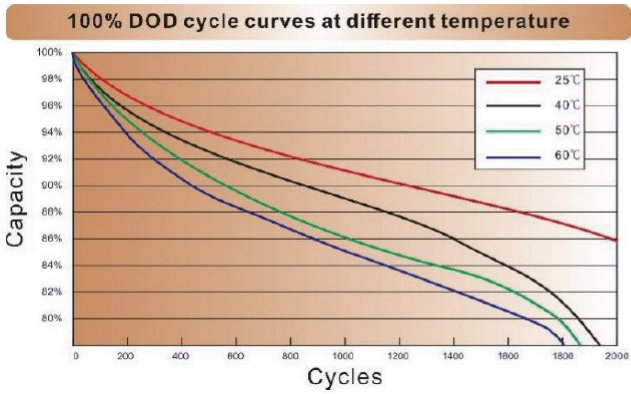


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Battery Standard Performance Summary Chart



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