

LITHIUM IRON PHOSPHATE BATTERY

M-LFP12200



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-LFP12200	
2	Nominal Voltage		12.8 V	
3	Standard capacity for battery system		200.0 Ah	
4	Energy		2,560.0 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	522 mm	
		Width	238 mm	
		Height	221 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		100.0 A	
14	Cut-off Voltage		10.4 V	
15	Max Continuous Discharge Current		100.0 A	
16	Operating Temperature	Charge	0~55°C, 45~85%RH	
		Discharge	-20~55°C, 45~85%RH	
17	Weight		Approx. 20.15 Kg	
18	Full voltage difference of battery pack (10 minutes of static test with full charge)		≤20mV	Standard charging
	IP grate		IP 55	



✉ multifit@multifitele.com
 🌐 www.vmaxpowerpv.com



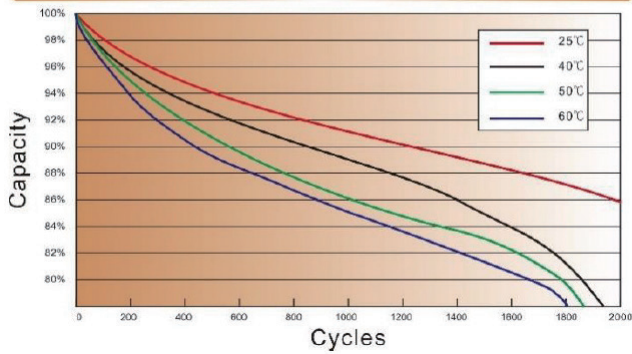
Download Catalogs



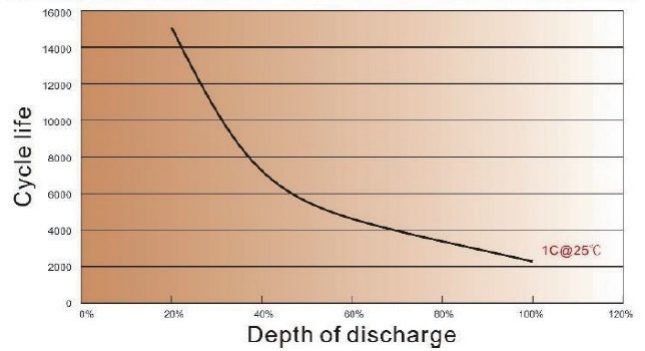
Contact Us

Battery Standard Performance Summary Chart

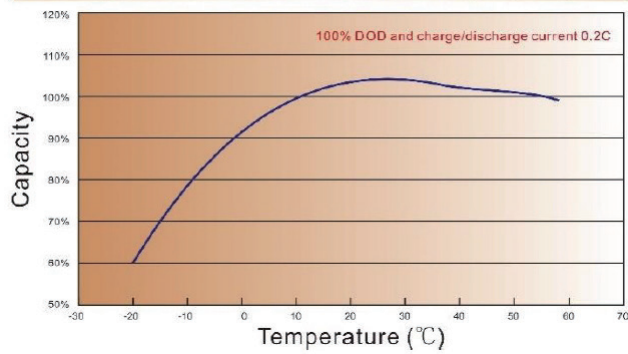
100% DOD cycle curves at different temperature



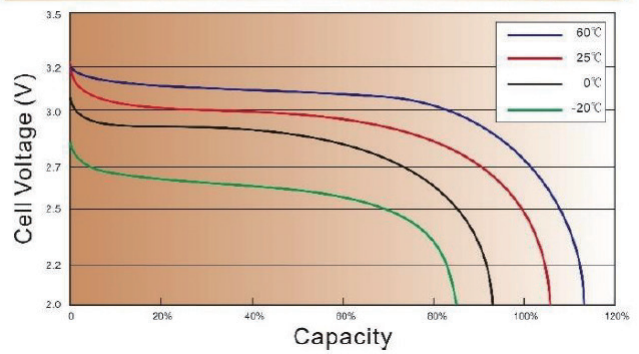
Depth of discharge in relation to cycle life



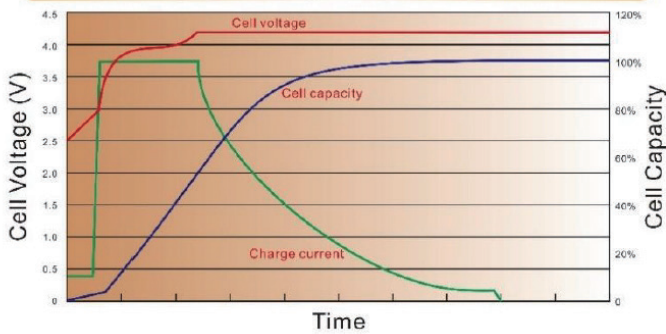
Temperature effect in relation to battery capacity



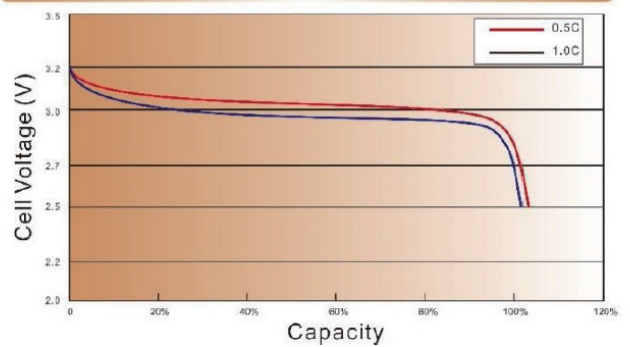
Discharge curve at different temperature (1C)



Charging curve



Discharge capacity in relation to discharge voltage



✉ multifit@multifitele.com
 🌐 www.vmaxpowerpv.com



Download Catalogs



Contact Us