

HEXI-12100

12V 100Ah

LiFeP04

Lithium Iron Phosphate
Deep Cycle Battery

- RV
- Camper
- Marine
- Solar Home
- UPS Backup



Lighter Weight
About 40% of the weight of a comparable lead acid battery. Easy to replace led acid batteries

Higher Power
Deliver twice power of lead acid battery.Higher discharge rate,while maintaining high energy capacity.

Longer Cycle Life
Offers up to 4000 times longer cycle life and five times longer float/calendar life than lead acid Battery.

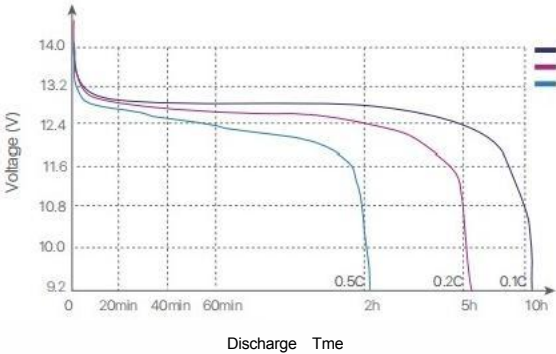
Superior Safety
Lithium Iron Phosphate chemistry eliminates the risk of explosion or combustion due to high impact, overcharging or short circuit

Specification					
Nominal Voltage	12.8V		Max.Continuous DischargeCurrent	100A	
Nominal Capacity	100Ah/1280Wh		Peak Discharge Curent	450A ± 160A(0.5~1.5S)	
BMS	Bluetooth with Smartphone App		DischargeCut-off Voltage	10V ± 0.5V	
Cycle Lfe	>4000 cycles @0.5C/80%DOD		Change Temperature	0℃~55℃@60 ± 25%Relative Humidity	
Months Self Discharge	<3%		Discharge Temperature	-20C~60℃@60 ± 25%Relative Humidity	
Eciency of Charge	100%@0.5C		Storage Temperature	-20C~45℃@60 ± 25%Relative Humidity	
Eciency of Discharg	96~99%@0.5C		Protection Class	IP65	
Charge Voltage	14.2~146V		Approx.Dimensions	260*168*210mm	
Charge Mode	0.2Cto 14.6V,thenchangeto0.02C(CC/CV)		Approx.Weight	12kg	
Recommended Charge Current	100A		Terminal	M8	
Max.Change Curent	100A		Size	332x172x218mm	
Charge Cut-offVotage	14.6V ± 0.2V		Monitoring Option	Heating and Active equalization	

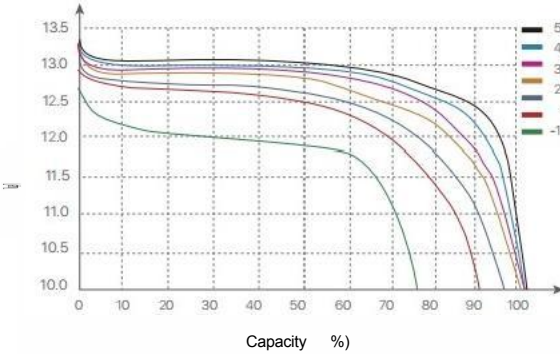
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Different Rate Discharge Curve(25℃)



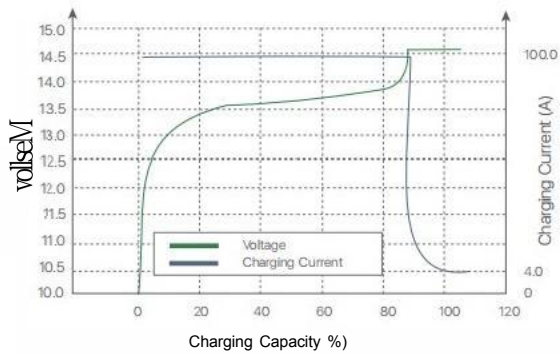
Different Temperature Discharge Curve(0.5C)



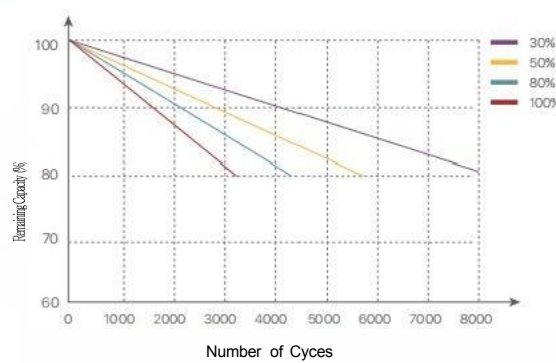
State of Charge Curve(0.5C,25℃)



Charging Characteristics(0.5C,25℃)



Different DOD Discharge Cycle Life Curve(0.5C)



Different Temperature Self Discharge Curve

