

# 12.8V100Ah

Lithium iron Phosphate(LiFePO4)Battery

Model:HZF-12-100-SA



**Safest LiFePo4**  
cells for safe use no fire no explosion



**Long Life Cycles**  
>2000 cycles@0.2C,Charge/Discharge at 100%DOD



**Powerful Energy**  
Quick charging, high quality and high discharge rate lithium battery cells providing more energy.



**Light Weight**  
about 40%~50%of the weight of SLA battery



**Built-in intelligent BMS**  
Over Charge /Discharge voltage and current protection, Short circuit protection ,Over temperature protection.



**Replacement**  
Replacement for SLA battery with compatible Housing



**Clean Energy**  
HuaZhen Lithium Battery are the ultimate ,No toxic material ,No Pb.



**Customized**  
Battery Voltage,Capacity,Current,Size ect all can be customized to meet specific applications

## Product Description

Electrical Characteristics	Technology	Lithium Iron Phosphate
	Nominal Voltage	12.8V
	Nominal Capacity	100Ah± 5%@0.2C
	Energy	1.28KWh
	Cycle Life	100% Depth of Discharge ~2000 cycles
Charge	Internal Resistance	20mΩ
	Charge mode	CC&CV(0.2C Constant current &14.6V Constant voltage@0.02C)
	Max. Charge Voltage	14.6V
	Standard Charge Current	20A
Discharge	Max.Charge Current	50A
	Discharge Cut-off Voltage	10V
	Standard Discharge Current	50A
Operating Condition	Max.Continuous Discharge Current	100A
	Storage Temperature	0°Cto45°C(32°F to113°F)
	Humidity	60±25%
	Charge Temperature	0°C to 45°C(32°F to113°F)
Structure	Discharge Temperature	-20°Cto 45°C(32°F to113°F)
	Water Dust Resistance	IP65
	Terminal	M8
	Case and Cover	ABS
	Dimension ( L*W*H)	330*171*220mm
	Weight	Approx11.5Kg



**WARRANTY**  
**5**  
Years limited

