

磷酸铁锂电池组

LITHIUM IRON PHOSPHATE BATTERY

电性能ELECTRICAL PERFORMANCE

标称电压Nominal Voltage	51.2 V
标称容量Nominal Capacity	50Ah
标准充电时间Capacity @ 10A	300 min
功率Energy	2560 W
内阻Resistance	≤30 mΩ @ 50% SOC
自耗电Self Discharge	<3% / Month
电芯Cells	Square Cell 3.2V 50Ah



充电性能CHARGE PERFORMANCE

标准充电电流	10A
Recommended Charge Current	
充电截止电压Charge Cut-Off Voltage	58.4V
充电恢复电压Reconnect Voltage	56.0V
均衡电压Balancing Voltage	/
通讯Protocol (optional)	/

放电性能DISCHARGE PERFORMANCE

持续放电电流	10 A
Continuous Discharge Current	
持续最大放电电流	25A
Maximum Continuous Discharge Current	
峰值最大放电截止电流	50 A (5 ~ 15ms)
Peak Discharge Cut-Off Current	
放电截止电压Discharge Cut-Off Voltage	40
放电恢复电压Reconnect Voltage	44V
短路保护时间Short Circuit Protection	200 ~ 800 μs

机械性能MECHANICAL PERFORMANCE

尺寸 (长X宽X高)	380 x 200 x 220 mm
Dimension (L x W x H)	14.96" x 7.87" x 8.66"
重量Approx. Weight	24kg
端子Terminal Type	Andson PA50/Type
终端扭矩Terminal Torque	80 ~ 100 in-lbs (9 ~ 11 N-m)
外壳材质Case Material	Metal
防护等级Enclosure Protection	IP50

温度性能TEMPERATURE PERFORMANCE

放电温度Discharge Temperature	-4 ~ 140 °F (-20 ~ 60 °C)
充电温度Charge Temperature	32 ~ 113 °F (0 ~ 45 °C)
储存温度Storage Temperature	23 ~ 95 °F (-5 ~ 35 °C)
截止高温High Temperature Cut-Off	149 °F (65 °C)
恢复温度Reconnect Temperature	118 °F (48 °C)

认证COMPLIANCE

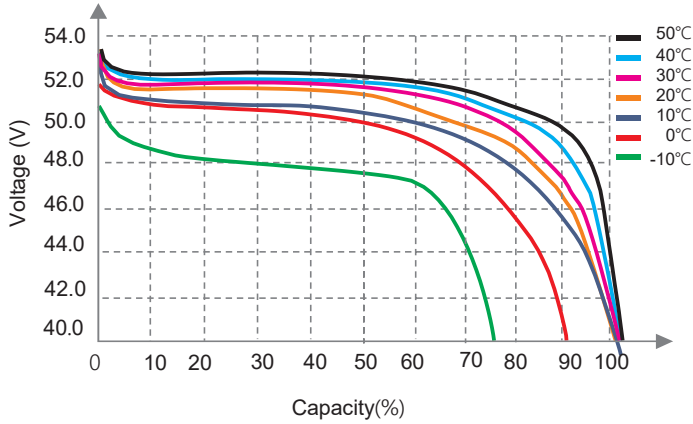
证书Certifications	CE UN38.3 UL1642 & IEC62133
运输证书Shipping Classification	UN 3480, CLASS 9

外形尺寸OUTLINE DIMENSION

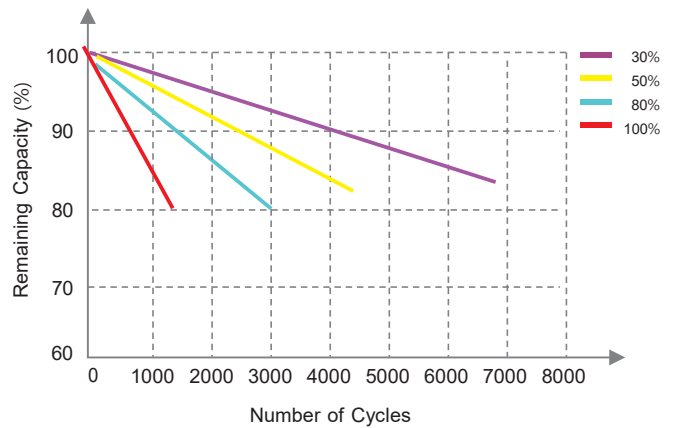
L mm(英寸)	W mm(英寸)	H mm(英寸)	HT mm(英寸)
380(14.96)	200(7.87)	220(8.66)	

PERFORMANCE CHARACTERISTICS

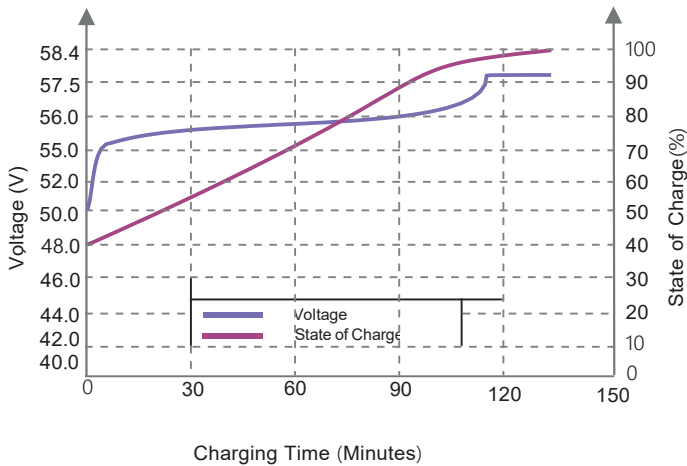
Different Temperature Discharge Curve(0.5C)



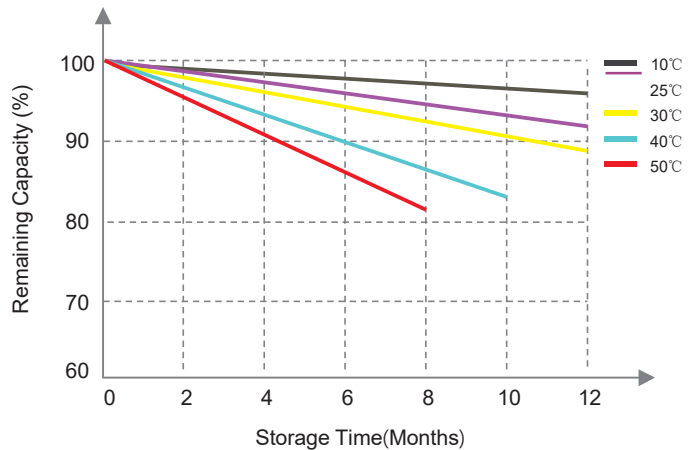
Different DOD Discharge Cycle Life Curve(1C)



State of Charge Curve(0.5C, 25°C)



Different Temperature Self Discharge Curve



FEATURES



High cycle life

> 3000 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.

APPLICATIONS

Lithium Iron Phosphate can be used in most applications that use Lead Acid, GEL or AGM type batteries.

Suitable applications include:

- Caravan
- Marine
- Golf Car
- Buggies
- Solar Storage
- Remote Monitoring
- Switching applications and more

CAUTIONS

- Do NOT short circuit, crush or disassemble.
- Do NOT heat or incinerate.
- Do NOT immerse in any liquid.
- Store at 50% capacity. Recharge every 3 months. The storage area should be clean, cool, dry and ventilated.