

**KJ 48V20Ah**

## 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	20 Ah
标准充电时间Capacity @ 4A	300 min
功率Energy	1024 Wh
内阻Resistance	≤50 mΩ @ 50% SOC
自耗电Self Discharge	<3% / Month
电芯Cells	32700 Cell 3.2V 6Ah

充电性能CHARGE PERFORMANCE	
标准充电电流	4 A
Recommended Charge Current	
建议充电电压	58.4 V
Recommended Charge Voltage	
保护板充电截止电压	<59.2 V (0.5 ~ 1.5 s)
BMS Charge Cut-Off Voltage	
充电恢复电压Reconnect Voltage	>57.6 V
均衡电压Balancing Voltage	<56V
通讯Protocol (optional)	RS485/RS232

放电性能DISCHARGE PERFORMANCE	
持续放电电流	10 A
Continuous Discharge Current	
最大放电电流	20 A
Max Peak Discharge Current	
保护板最大放电截止电流	50 A (5 ~15 ms)
BMS Discharge Cut-Off Current	
建议截止低电压	40 V
Recommended Low Voltage Disconnect	
保护板放电截止电压	>38.4 V (50 ~ 150 ms)
BMS Discharge Cut-Off Voltage	
放电恢复电压Reconnect Voltage	>40 V
短路保护时间Short Circuit Protection	200 ~ 800 μs

**外形尺寸OUTLINE DIMENSION**


L mm(")	W mm(")	H mm(")	HT mm(")
440 (17.32)	442(17.4)	88 (3.47)	



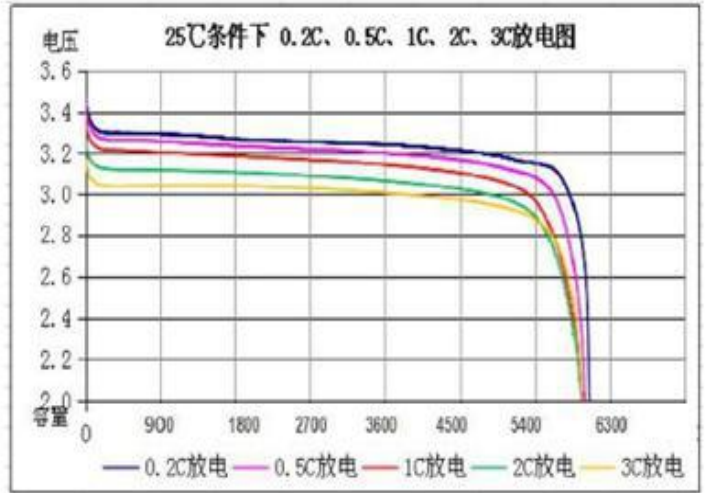
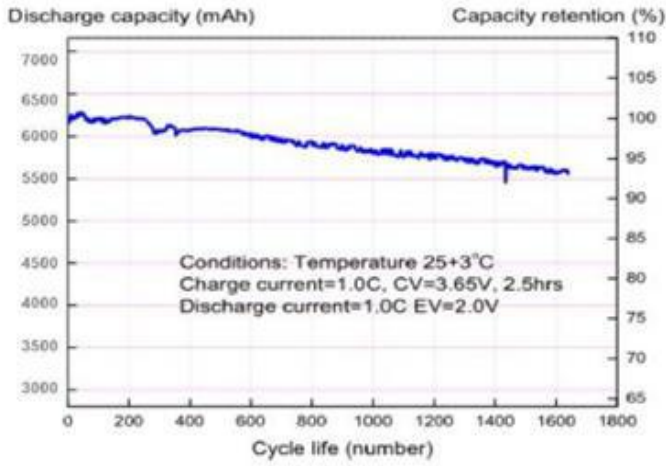
机械性能MECHANICAL PERFORMANCE	
尺寸（长X宽X高）	440 x 442 x 88 mm
Dimension (L x W x H)	17.32 x17.4 x3.47"
重量Approx. Weight	/ kg
端子Terminal Type	M8
终端扭矩Terminal Torque	80 ~ 100 in-lbs (9 ~ 11 N-m)
外壳材质Case Material	Metal
防护等级Enclosure Protection	IP20

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)
保护板截止高温	149 °F (65 °C)
BMS High Temperature Cut-Off	
保护板恢复温度	118 °F (48 °C)
Reconnect Temperature	

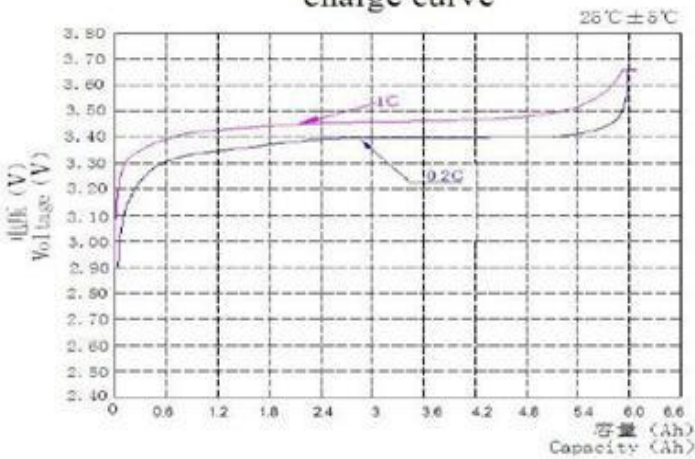
认证COMPLIANCE	
证书Certifications	CE UN38.3 UL1642 & IEC62133
运输证书Shipping Classification	UN 3480, CLASS 9

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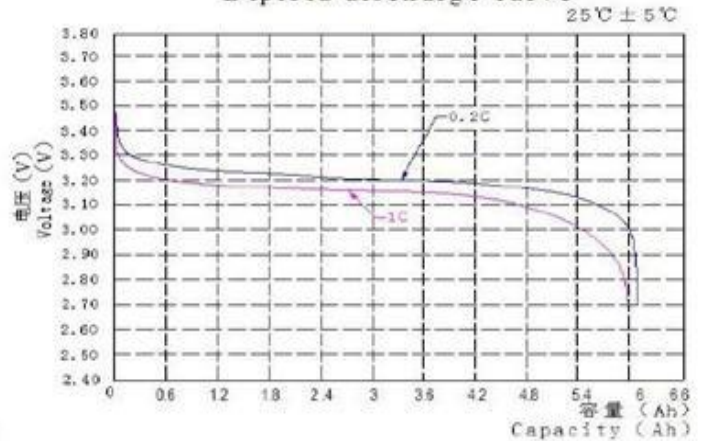
## 性能特性 PERFORMANCE CHARACTERISTICS



充电曲线图  
charge curve



放电曲线图  
Discharge discharge curve



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### 功能和好处FEATURES & BENEFITS



#### 高循环寿命High cycle life

>2000循环@80%低成本方案电池组。  
>2000 cycles @80% DoD for effectively lower total cost of ownership.



#### 更长使用寿命Longer service life

低维护电池，化学材料稳定，易于监控智能型号的电荷状态。  
Low maintenance batteries with stable chemistry. Easily monitor state of charge (SoC) of smart models.



#### 内置电路保护Built in circuit protection

电池管理系统(bms)可保护由于使用不当。  
Battery Management Systems (BMS) are incorporated against abuse.



#### 方便储藏Better storage

由于其极低的自释放率及无硫化风险，因此可长达6个月。

Up to 6 months thanks to its extremely low self discharge (LSD) rate and no risk of sulphation.



#### 快速充电Quickly recharge

节省时间，提高生产效率，减少下行次数，提高充放电效率。  
Save time and increase productivity with less down time thanks to superior charge/discharge efficiency.



#### 极端耐热性Extreme heat tolerance

适用于环境温度异常的领域:高达60°C。  
Suitable for use in a wider range of applications where ambient temperature is unusually high: up to +60°C.



#### 轻便Lightweight

同等容量，锂电池的重量是铅酸电池的1/3。  
Lithium batteries provide more Wh/Kg while also being up to 1/3 the weight of its SLA equivalent.

### 应用领域APPLICATIONS

锂电池可替代大部分铅酸电池，主要使用范围如下：  
Lithium Iron Phosphate can be used in most applications that use Lead Acid, GEL or AGM type batteries.  
Suitable applications include:

- 大篷车Caravan
- 海洋巡航车Marine
- 高尔夫球车Golf Car
- 四轮车Buggies
- 太阳能存储Solar Storage
- 远程监控Remote Monitoring
- 切换应用程序等等Switching applications and more

### 注意事项CAUTIONS

- 禁止短路、挤压或拆卸
- Do NOT short circuit, crush or disassemble.
- 禁止加热或焚烧
- Do NOT heat or incinerate.
- 禁止浸泡在任何液体中
- Do NOT immerse in any liquid.
- 以50% 容量储存。每三个月充电一次。贮存环境应清洁、阴凉、干燥及通风。
- Store at 50% capacity. Recharge every 3 months. The storage area should be clean, cool, dry and ventilated.

性能可能会因应情况有所变动，所有规格如有更改，恕不另行通知，此数据仅用于评估，这不能作为保证或担保。  
如需查询详情及最新资讯，请与我们联系。

Performance may vary depending on application. All specifications are subject to change without prior notice to the user. This data is for evaluation purposes only. No guarantee is intended or implied by this data. For clarification and updated information, please contact us.



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