

**KJ 12.8V42Ah**
**磷酸铁锂电池组**
**LITHIUM IRON PHOSPHATE BATTERY**
**电性能ELECTRICAL PERFORMANCE**

标称电压Nominal Voltage	12.8 V
标称容量Nominal Capacity	42 Ah
放电时间Capacity @ 8.4A	300 min
功率Energy	537.6Wh
内阻Resistance	≤80 mΩ @ 50% SOC
自耗电Self Discharge	<3% / Month
电芯Cells	32700 Cell 3.2V6Ah

**充电性能CHARGE PERFORMANCE**

标准充电电流	8.4 A
Recommended Charge Current	
最大充电电流Maximum Charge Current	42 A
建议充电电压	14.6 V
Recommended Charge Voltage	
保护板充电截止电压	<15.2 V (0.5 ~ 1.5 s)
BMS Charge Cut-Off Voltage	
充电恢复电压Reconnect Voltage	>14.4 V
均衡电压Balancing Voltage	<14 V
最大串联容量Maximum Batteries in Series	4

**放电性能DISCHARGE PERFORMANCE**

标准放电电流	21 A
Continuous Discharge Current	
最大放电电流Max Discharge Current	42 A
保护板最大截止电流	80 A (5 ~ 15 ms)
BMS Discharge Cut-Off Current	
建议截止低电压	10 V
Recommended Low Voltage Disconnect	
保护板放电截止电压	>8.4 V (50 ~ 150 ms)
BMS Discharge Cut-Off Voltage	
放电恢复电压Reconnect Voltage	>10 V
短路保护时间Short Circuit Protection	200 ~ 600 μs


**机械性能MECHANICAL PERFORMANCE**

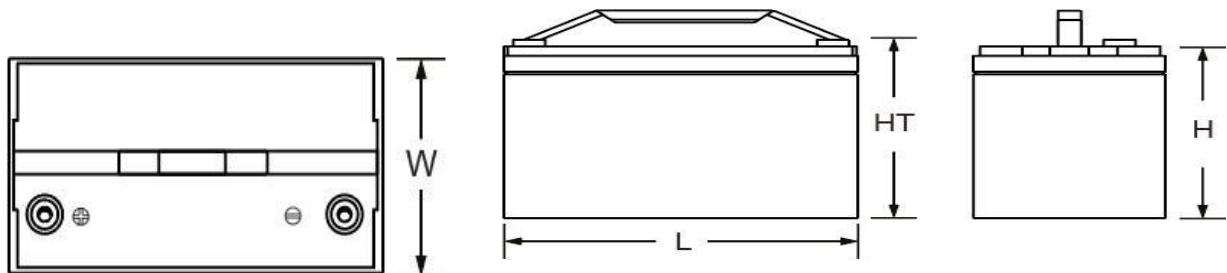
尺寸（长X宽X高）	197 x 131 x 183 mm
Dimension (L x W x H)	7.75 x 5.16 x 7.26"
重量Approx. Weight	5.4 kg
端子类型Terminal Type	M6
终端扭矩Terminal Torque	80 ~ 100 in-lbs (9 ~ 11 N-m)
外壳材质Case Material	ABS
防护等级Enclosure Protection	IP65

**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)
保护板截止温度	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**

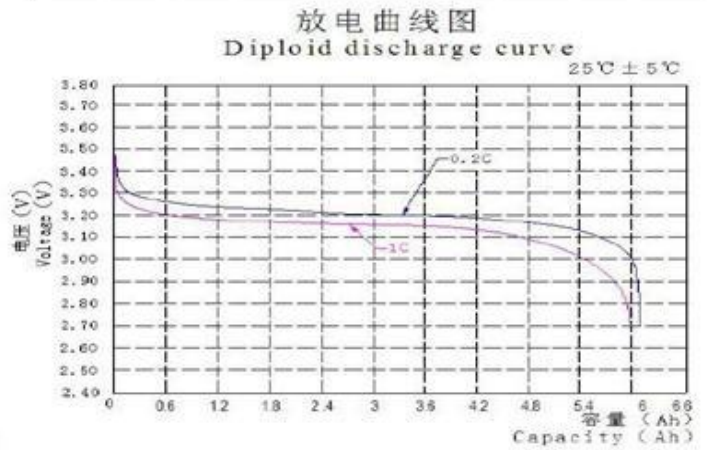
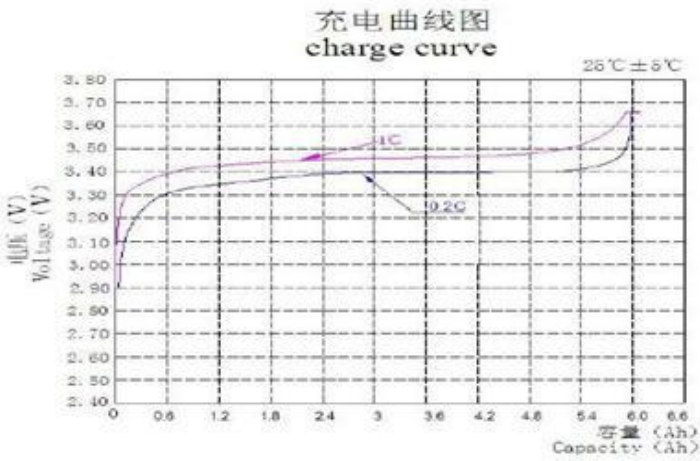
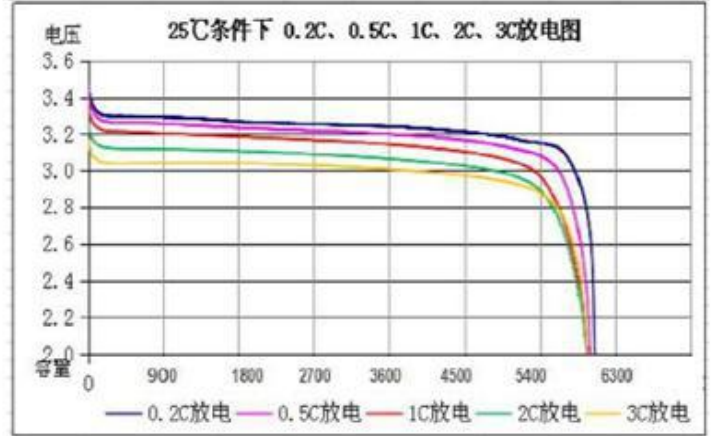
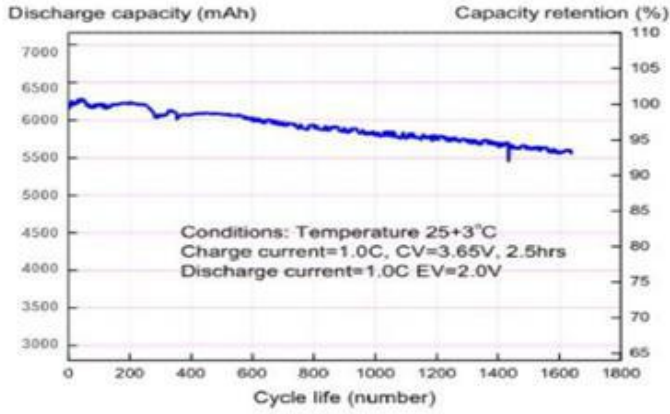
证书Certifications	CE UN38.3 UL1642 & IEC62133
运输证书Shipping Classification	UN 3480, CLASS 9

**外形尺寸OUTLINE DIMENSION**


L mm(")	W mm(")	H mm(")	HT mm(")
197 (7.75)	131 (5.16)	183 (7.26)	

# KJ 12.8V42Ah

## 性能特性 PERFORMANCE CHARACTERISTICS



## KJ 12.8V42Ah

### 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料，请与我们联系。

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