

POWER-XTRA

Model : Power-Xtra (SANYO) 18650 2200 mAh Li-ion Battery for Light Ver:1.0 NO: 900.869.503.076

1546-CT-1P1S18650-K Battery Pack Spec 电池包规格书

Model :
型号: 1546-CT-1P1S18650-K

Cell Type :
电芯 : UR18650AAN

Cell Configuration:
电芯配置: 1P1S

Nominal Voltage:
标称电压: 3.6V

Nominal Capacity:
标称容量: 2250mAh

Draft 起草	Approved 批准	Customer Confirmation 客户确认
Peter	Chun Qi Zeng	

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Revision History 版本记录

Revision 版本	Date 日期	Editor 更改人	Contents 内容
0.0	2016-09-13	Peter	Draft

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目录

1. Application 应用	4
2. Basic Information 基本信息	4
3. Electrical Characters 电气特性	4
4. Reliability Test Requirements 可靠性测试要求	5
5. Mechanical Drawings 结构图	5
5.1. Block Diagram 框图	5
5.2. Drawing of Outline 外框图	5
6. Drawing of Label 标签图	6
7. Test Item 测试项	7
8. Pack 包装	8

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1. Application 应用

本产品保护板位于负极底部，直径在原电芯的基础上增加了不到 0.5mm；长度在原电芯的基础上增加了不到 5mm。适用于各类手电筒等，要求电池与原电芯尺寸接近但自带保护板的产品。

PCB is in the bottom of the battery, diameter will be increase less than 0.5mm on the basis of original battery cell; The length will be increase less than 5mm on the basis of original battery cell. Suitable for variety kinds of flashlights, and products that demand size of the battery with PCB approach the original battery cell.

2. Basic Information 基本信息

Description 描述:	Rechargeable Lithium ion battery pack 充锂离子电池
Cell Type 电芯:	PanasonicUR18650AAN
Chemistry 化学成份:	Lithium ion 锂离子
Cell configuration 电芯配置:	1P 1S 一前一串
Voltage Nominal 标称电压:	3.6V
Capacity Nominal 标称容量:	2250mAh (0.2C discharge to cut-off voltage25°C 0.2C 放电到截止电压 25°C)
Rated Capacity 额定容量:	2100mAh(0.2C discharge to cut-off voltage20°C 0.2C 放电到截止电压 20°C)
Protection 保护:	A. Over Charge Protection 过充保护 B. Over Discharge Protection 过放保护 C. Over Current Protection 过流保护 D. Short Protection 短路保护

3. Electrical Characters 电气特性

Charging Method 充电方式	CC-CV 恒流恒压
Charging Voltage 充电电压	4.2±0.5V
Over Charging Protect 过充保护	4.30±0.05V (单电芯)
Standard Charging Current 标准充电电流	1.1A (0.5C)
Max. Charging Current 最大充电电流	1.5A
Cut-off Charging Current 充电结束电流	67mA (0.02C)
Standard Discharging Current 标准放电电流	670mA (0.2C)
Max. Discharging Current 最大放电电流	1.5A
Discharging cut-off Voltage 放电结束电压	2.5V (单电芯)
Over Discharging Protect 过放保护	2.5V±0.05V (单电芯)
Internal Resistance 内阻	<180mOhm
Standard Charge Temperature 标准充电工作温度	0-45°C
Standard Discharge Temperature 标准放电工作温度	-20-60°C
Storage Humidity 存储湿度	65%RH not condensed (无凝结)
Weight 重量	About 55 g

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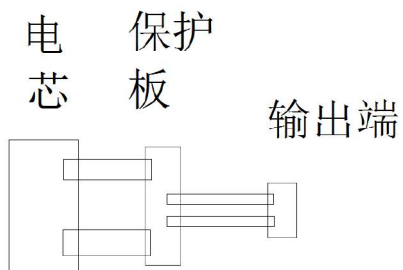
4. Reliability Test Requirements 可靠性测试要求

Humidity Test 湿度测试	+60°C 85%RH for 24Hours
High Temperature Test 高温测试	+85°C 1000Hours
Low Temperature Test 低温测试	-25°C 1000Hours

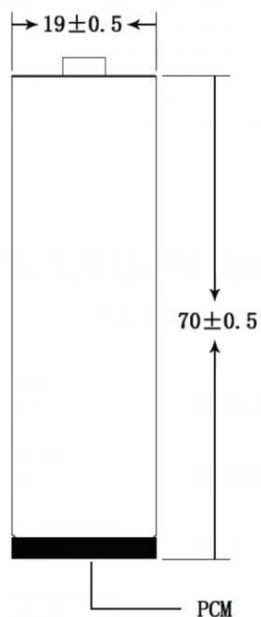
5. Mechanical Drawings 结构图

5.1. Block Diagram 框图

battery cell PCM Output end



5.2. Drawing of Outline 外框图



单位:mm

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6. Drawing of Label 标签图

标签尺寸为 (可根据实际情况调整),位置居中,透明PET标签,示例如下:



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7. Test Item 测试项

Test Items 测试项	Rang 范围	Sample 1 样品 1	Sample 2 样品 2	Sample 3 样品 3
Basic Function 基本功能	Charging 充电	OK		
	Discharging 放电	OK		
	Over Current 过电流	4±1.5A		
	Internal Resistance 内阻	<180mOhm		
	Short Circuit 短路保护	Recoverable 可自恢复 (OK / NG)		
Size 尺寸	Length 长度	<70.5mm		
	Width 宽度	<19.5mm		
Performance Test 性能测试	Capacity 容量	>3350mAh		
	Over Charge Voltage 过充电电压	4.25V-4.35V		
	Over Discharge Voltage 过放电电压	2.3V-2.5V		
	Welding Test	>15N		

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8. Pack 包装

- 1, 透明 PVC 白色垫片
- 2, 用隔板将单个电池分开
- 3, 每 100PCS 为一盒包装 (205*205mm) 再入外箱,200PCS/箱
- 4, 注明型号数量
- 5, 中性纸箱, 贴箱唛

箱唛格式如下:



(参考图)

唛头

贴于纸箱正/背两面, 唛头尺寸 200*70mm (唛头尺寸视情况而定):



侧唛

贴于纸箱正/背两侧, 侧唛尺寸 130*100mm (侧唛尺寸视情况而定):

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PO NO.	order 16-8	根据每次订单而更改
MODEL NO.	900. 869. 503. 076	
QTY	500PCS	根据每箱数量而定
DATE	2016-07-20	根据出货日期而更改
Made in China		

标签尺寸10*13CM（按情况而定）每箱两面侧面都要贴