

# CT-1P1SER26500 Battery Pack Spec

## 电池包规格书

Model :  
型号: CT-1P1SER26500

Customer Code:  
客户代码: C10029

Customer P/N:  
客户型号 : \_\_\_\_\_

Nominal Voltage:  
标称电压: 3.6V

Capacity:  
容量: 9Ah

Draft 起草	Checking 审核	Approved 批准	Customer Confirmation 客户确认
Dora	Jeff		

## Revision History 版本记录

Revision 版本	Date 日期	Editor 编著	Contents 内容
A0	2019-09-06	Dora	Draft
A1	2019-09-09	Dora	更改端子方向。

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## 1. Application 应用

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## 2. Basic Information 基本信息

Description 描述:	Lithium Thionyl Chloride battery pack 锂亚电池包
Cell Type 电芯:	CTECHI ER26500 3.6V 9Ah
Chemistry 化学成份:	Li-SOCl <sub>2</sub> 锂-亚硫酸氯电池
Cell configuration 电芯配置:	1P1S 一并一串
Voltage Nominal 标称电压:	3.6V
Discharging cut-off Voltage 放电结束电压:	2.0V
Capacity Nominal 标称容量:	9Ah (2mA discharge to cut-off voltage 2.0V 460mA 放电到截止电压 2V)
Energy 能量:	136.8Wh

## 3. Electrical Characters 电气特性

### 1. Model: ER26500

### 2. Specification

1) Nominal voltage:	3.6V
2) Nominal capacity:	9000mAh(2mA / 2.0V)
3) Nominal discharge current:	10mA(330Ω)
4) Rapid discharge:	50mA(62Ω)
5) Discharge end-voltage:	2.0V
6) Operating voltage:	3.4V(330Ω, in 5s)
7) Max constant discharge current:	200mA
8) Max. pulse current:	400mA
9) Ambient temperature range:	-55~ +85°C
10) Storage life:	≥10 year, Yearly self-discharge ≤ 1%

### 3. Appearance & Dimension/Weight

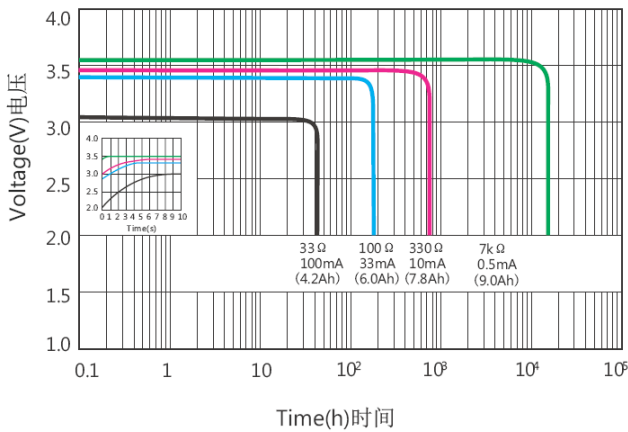
1) Appearance:	cylinder shape
2) Max dimension :	φ26.2mm×h50.0mm
3) Max weight:	55g

### 4. Performance Testing

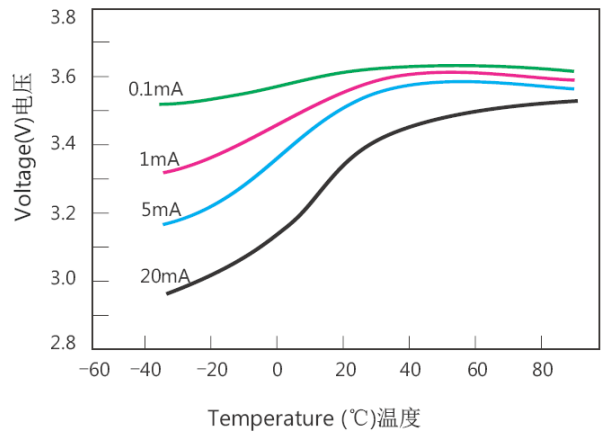
Unless otherwise request, all tests are carried out in ambient temperature 20±5°C.

Tests should be made within 45 days after receipt of the batteries.

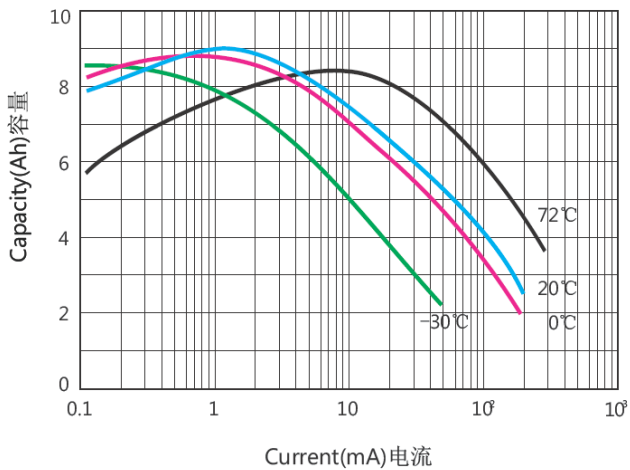
**Discharge characteristic 放电特性 (25°C)**



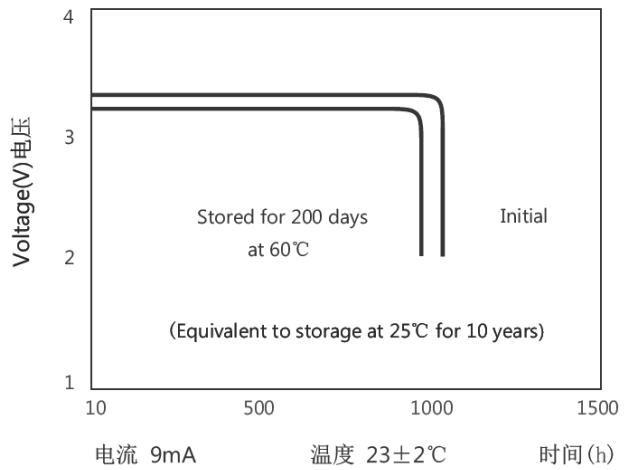
**Voltage vs temperature 电压vs温度**



**Capacity vs current 容量vs电流**



**Storage characteristics 存储特性**



**4. Certification 认证**

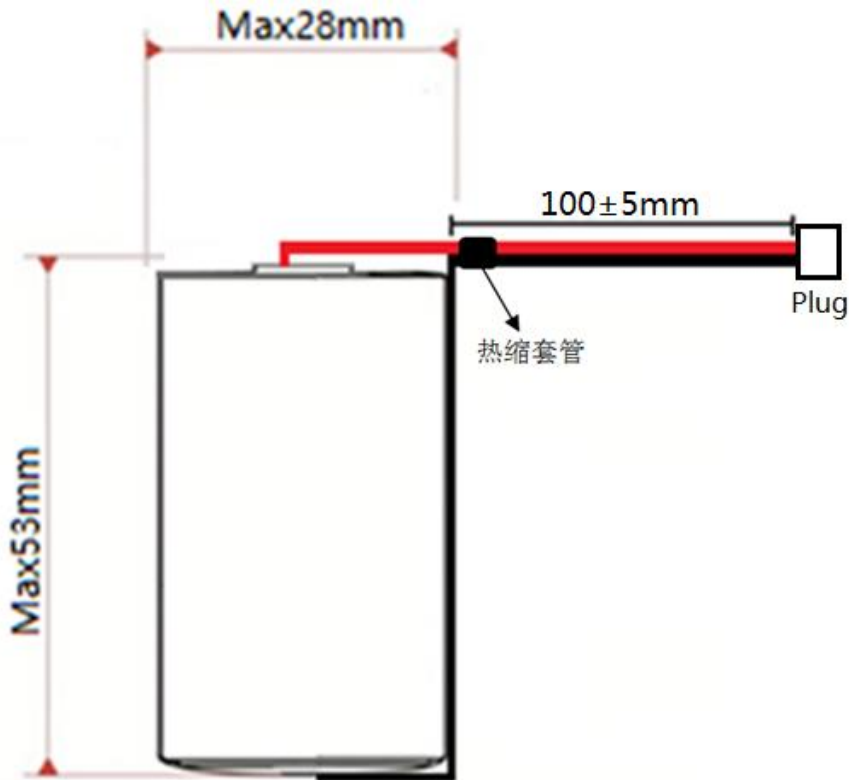
T.B.D.

**5. Mechanical Information 结构信息**

**5.1 Sample Picture 样品照**

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### 5.2 Drawing of Outline 外框图



### 5.3 Terminal 端子信息

JST-XHR-2P 反向 (原装正品), 1007#20AWG, 外露线长不含插头, 红色线为正极, 黑色线为负极。

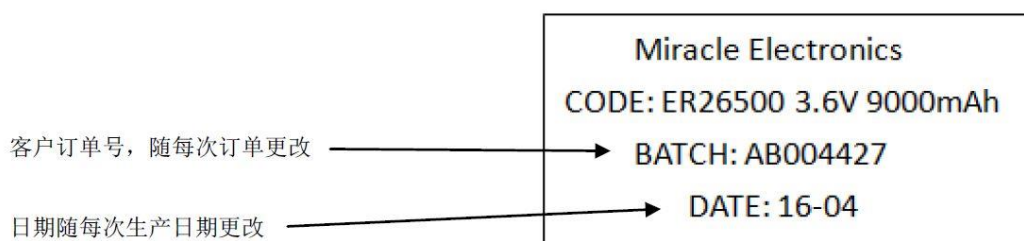


### 6. Drawing of Pack Assemble 电池包组装图

热缩两层蓝色 PVC, 负极黑色线必须贴紧电池!

### 7. Drawing of Label 标签图

标签印字方式: 喷码, 客户订单号随每次订单更改, 日期随生产日期更改, 喷码内容及格式如下:



## 8. Drawing Packing 包装图

装泡沫托盘, 再入外箱, 每箱不超过 10KG。

## 9. Test Requirements 测试要求

轻微缺陷(Mi) AQL = 1.5; 重要缺陷 (Ma) AQL = 0.5; 致命缺陷(Cr)及全检项 Ac = 0;

除非报价和订单有指定品质等级, 否则默认按 II 级 (Class II) 生产出货。Test according to Quality Class II as default.

Test Items 测试项	Rang 范围	Defect Class 缺陷 等级	Test Quantity 测试数量			
			Quality Class I	Quality Class II	Quality Class III	
<b>Mechanical</b> 结构	Diameter 直径	Max. 28mm	Ma	AQL(S-1)	AQL(I)	Full 全检
	Height 高度	Max. 53mm	Ma	AQL(S-1)	AQL(I)	Full 全检
	Cable Length 出线长	100±5mm	Mi	AQL(S-1)	AQL(I)	Full 全检
	Discharging 放电功能	OK / NG	Ma	Full 全检	Full 全检	Full 全检
<b>Basic</b> Function 基本功能	Short Circuit 短路保护	Recoverable 可自恢复 (OK / NG)	Cr	Full 全检	Full 全检	Full 全检
	Load Voltage 带载电压 (Load≥5mA)	3.6±0.1V	Ma	Full 全检	Full 全检	Full 全检
	Capacity 容量/200mA	≥9000Ah	Ma	AQL(S-1)	AQL(I)	Full 全检
<b>Performance</b> Test 性能测试	Welding Test 拉力	≥30N	Ma	1pcs/1 machine	1pcs / 4hours * 1machine	1pcs / 2hours * 1machine

## 10. Caution and prohibition 注意事项

1. Lithium Thionyl Chloride battery can not be over discharge, when battery packs discharge to the cut off voltage, pls stop use it. 锂亚电池不能过放电,当电池组放电到截止电压时请停止使用.

2. Please make sure the intermittent power circuit could normally be closed, to prevent the capacity of battery packs been used up in short time. 请确保间歇电路能正常关闭,以防容量被很快耗尽.