

# SPECIFICATION

## R6P-AA 环保碳性锌锰电池

Model :

型号:

CT-R6P-AA

Customer Code:

客户代码:

Nominal Voltage:

标称电压:

1.5V

Capacity:

容量:

620mAh

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

1. 型号 Model: CT-R6P-AA

2. 主要化学成分 Major composition

电解二氧化锰 Manganese Dioxide (正极 cathode)

锌壳 Zinc can (负极 anode)

氯化锌-氯化铵 ZnCl<sub>2</sub>-NH<sub>4</sub>Cl (电解液 electrolyte)

3. 标称电压 Rated voltage: 1.5V

4. 平均只重 Average weight: 14gram

5. 标准容量 Rated capacity

测试条件 Testing condition: 测试温度 temperature: 20 ± 2°C, 湿度 RH 60±15%

放电条件 Discharge Mode	3.9Ω 24 h/day Endpoint 0.9V	24Ω15s /1min,8h/day Endpoint1.0 V	75Ω4h/day Endpoint 0.9V
容量 Capacity (mAh)	620	600	820

6.尺寸要求: 外形尺寸应满足 IEC60086/GB8897 要求

Dimension: according to IEC60086/GB8897.

7. 电性能 Electrical performance

(条件: 开路电压测试: 所用仪表准确度应不低于±0.25%, 精度应不低于最后一位有效数的 50%, 内阻应不少于 1MΩ。负载电阻的阻值与规定值之间的误差应不大于±0.5%, 负载时间 0.2±0.01 秒。短路电流的测试为指针式安培表, 精度±0.5%, 时间 0.2±0.01 秒)。

Voltage tester accuracy should be higher than ±0.25%, impedance should be more than 1MΩ. The error between Loading resistance and required value should be less than ±0.5%, loading time 0.2±0.01 seconds.

Shorting circuit current testing use Ampere Meter, accuracy ±0.5%, testing time 0.2±0.01 seconds.

項目 Item	开路电压 OCV (V)	负载电压 CCV (V)	短路电流 SCC (A)
新电 New battery	≥1.60	≥1.40	≥2.5
常溫儲存 12 個月 After 12 months	≥1.53	≥1.35	≥2

8. 放电性能 Discharge performance (条件 Testing condition: 20 ± 2°C, RH 60±15%)

放电条件 Discharge Mode	新电 New battery	常溫儲存 12 個月 After 12 months
3.9Ω discharge to 0.9V,4H/day	90 分钟	80 分钟
5.1Ω discharge to 0.9V,4m /1h,8h/day	70 分钟	60 分钟
24Ω discharge to 1V,15s /m, 8h/day	5 小时	4 小时
10Ω discharge to 0.9V,4H/day	350 分钟	320 分钟

9. 耐漏性能測試 Anti leakage test

項目 Item	条件 Testing condition	终止条件 End condition	标准 Criteria
过放电耐漏性 Over discharge leakage	3.9Ω 连续放电 温度: 20°C±2°C 相对湿度: 60±15%	Discharge to 0.6V	电池变形不超出附图 1 中所示的最大尺寸, 沒有漏液情况. 1) Dimensions are ok; 2) No leakage.
高温高湿耐漏性 High temperature/humidity	温度: 45°C±2°C 相对湿度: RH 60±15%	30 天	
	温度: 50°C±2°C 相对湿度: RH 60±15%	7 天	

## 10. 安全性/可靠性 Safety performance

项目 ITEM	条件 CONDITIONS	要求 REQUEST
自由跌落 Drop test	从 1m 高度跌落,6 次 放置 1h Free drop from 1m height to floor for 6 times,keeping for 1 hour	无爆炸 no explore
外部短路 External shorting	用 0.1Ω 电阻连续放电 24h 或者电池外壳温度降至室温 short positive and negative terminals with 0.1Ω resistor for 24 hours or battery temperature drop to room temperature	无爆炸 no explore
不正确安装 Wrong Installation	4 个相同型号电池串联,其中 1 个反接 4 batteries connect in series with 1 battery reversed,until the reversed battery leak or OCV drop to nearly 0V.	无爆炸 no explore
过放电 Over discharge	1 个已放电电池与 3 个未放电电池串联直到总电压降至 2.4v Connect 3 new batteries and 1 discharged battery in series,until the whole voltage drop to 2.4V.	无爆炸 no explore

## 11. 產品上的標記 Marking in battery

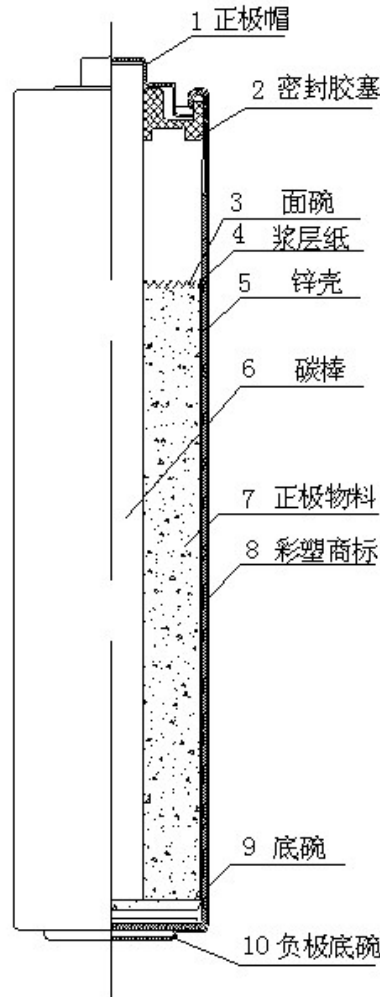
- (1) 型號 Battery Model CT-R6P-AA
- (2) 品牌 CTECHI Brand "CTECHI"
- (3) 标称电压: 1.5V Rated voltage 1.5V
- (4) 端子的极性: + 和 - Terminal marking + & -
- (5) 警告 Alert: DO NOT CONNECT IMPROPERLY CHARGE OR DISPOSE OF IN FIRE BATTERY MAY EXPLODE OR LEAK.

## 12. 保質期 Battery validation

2 年。

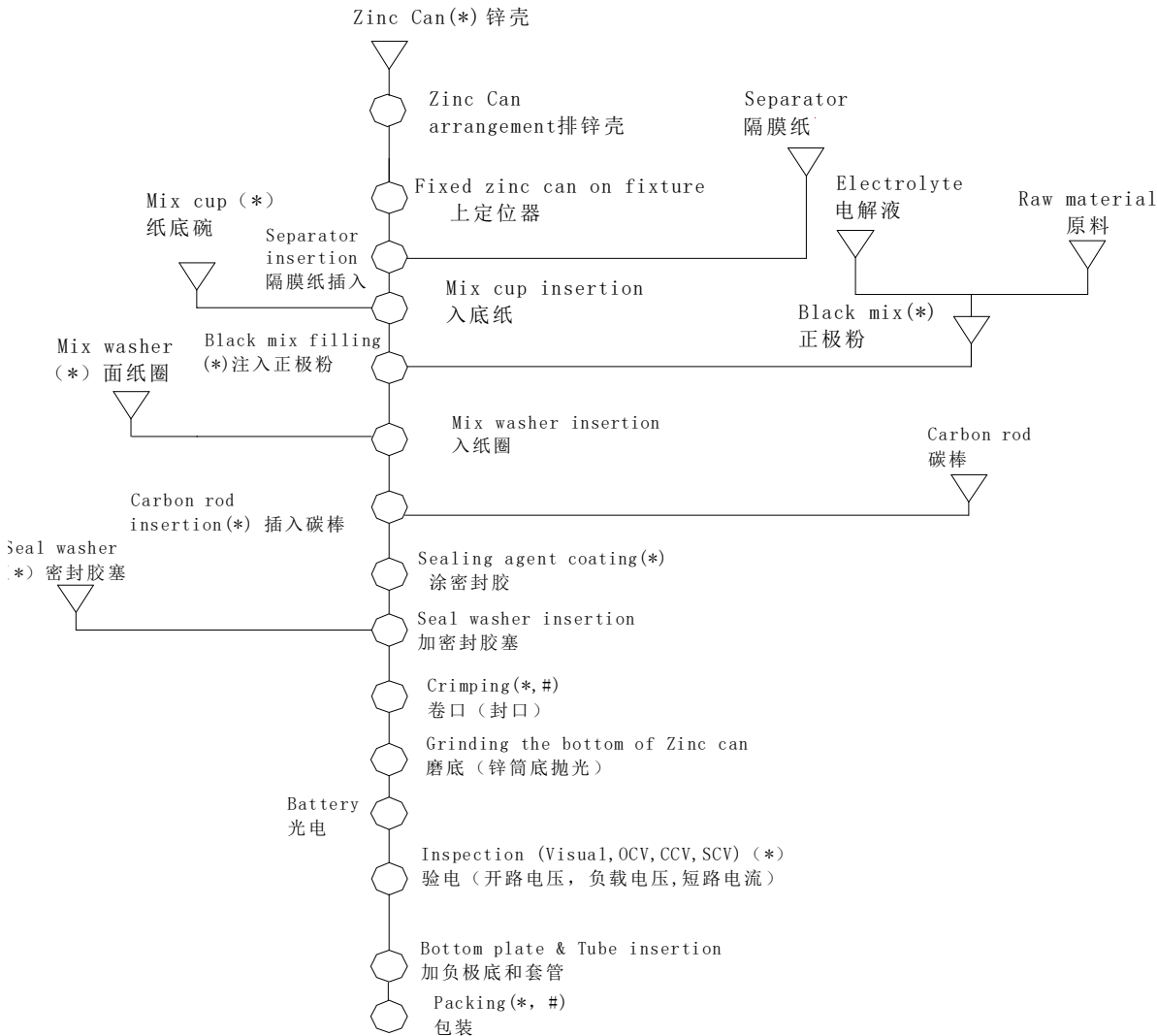
### 13. 电池外形尺寸圖 Battery profile & dimensions

尺寸图 (mm)	结构图
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A	49.2~50.5
B	≥7.0
E	0+0.5
F	≤5.5
G	≥1.0
Φ	14.0±0.5

17、工艺流程图 Process Flow Chart



19、使用安全须知 Alert & Notes

请遵守下列警告及注意事项，以免因使用不当而引起危险，保证安全。下面说明应在使用本电池的产品内写明，并放在易于看见的地方。终端产品的使用手册中也应包括这一内容。不遵守下列规定会造成电池漏液，发热、爆炸、伤人或损坏仪器设备等事件。

Please obey following Alert and Notes, in case of potential safety concern caused by wrong using method. Following Alert and Notes should be remarked significantly in the User Manual of the end applications.

If violate following regulations, battery may leak, become hot or explore, may do harm to human beings and applications.

**警告 Alert:**

1. 请将电池放在婴幼儿拿不到的地方。万一误食，请立即求医。

Battery should be put away from baby; If swollen, please go to the doctors at once.

2. 漏液如接触眼睛，请用清水冲洗并马上找医生。

If eyes contact the leakage, shall clean with water and seek doctor at once.

3. 如舔食了漏液，请立即漱口，并找医生。

If lick the leakage, please rinse the mouth and seek doctor at once.

4. 切勿短路，拆开电池，加热或将电池放入火中或火中。

Forbid to cut or open or heat the battery, or put the battery into fire or water.

5. 将碳锌电池充电会导致漏液或损坏，因为本电池是非充电电池。

Please don't charge the battery; Carbon-Zinc battery cannot be charged.

**注意事项 Notes:**

1. 安装电池时请勿将正 (+) 负 (-) 极装反。

Please don't mix the polarity.

2. 如漏液接触皮肤或衣服，用清水冲洗。

Please wash with water if the leakage contact skin or clothes.

3. 不要将不同型号或新旧电池混合使用。

Please don't mix the old and new battery together and use.

4. 器具使用后确保关闭电源，电池用完要及时取出。

After turn off the application, please pick out the battery.

5. 电池请勿淋雨或放在潮湿处，或放于暖气片旁或阳光直射的地方是不合适的。

Please don't keep the battery in rain, wet condition or under the sunlight directly.

6. 如长期不用，请将电池取出，并放在凉爽干燥的地方。

Please pick out the battery and put in cool & dry condition if idle for long time.

7. 请勿抛掷或冲击电池，或使电池变形。

Please don't throw or shock the battery in case of battery deformation.

8. 请勿直接焊接电池。

Please don't weld the battery directly in case of battery deform.

10. 请勿将电池长期放置在 30°C 以上或湿度超过 95% 低于 40% 的环境中。

Please don't put the battery in 30°C or >RH 90% or <RH 40% condition for long time.






20.附件(Attachments):

卷标 (Volume label):

52x47.5mm

R6P



-  PANTONE 367 C
-  PANTONE 460 C
-  WHITE
-  BLACK
-  ORANGE

包装要求(Packaging requirements):



(图片仅供参考 The picture is only for reference)

单个电芯装卡盒, 50 个/白盒, 1000 个/箱。

(A single cell is loaded into a card box, 50pcs/white box, 1K pcs/carton).