

CHEAPE TECHNOLOGY INTERNATIONAL LTD

1. Model: ER14250M

2. Specification

1) Nominal voltage:	3.6V
2) Nominal capacity:	1000mAh(0.5mA / 2.0V)
3) Nominal discharge current:	3mA(1.1k Ω)
4) Rapid discharge:	10mA(330 Ω)
5) Discharge end-voltage:	2.0V
6) Operating voltage:	3.3V(330 Ω , in 5s)
7) Max constant discharge current:	200mA
8) Max. pulse current:	400mA
9) Ambient temperature range:	-55~ +85°C
10) Storage life:	\geq 10 year, Yearly self-discharge \leq 1%

3. Appearance & Dimension/Weight

1) Appearance:	cylinder shape
2) Max dimension :	ϕ 14.5×h25.0mm
3) Max weight:	10g

4. Performance Testing

Unless otherwise request , all tests are carried out in ambient temperature $20\pm 5^{\circ}\text{C}$.

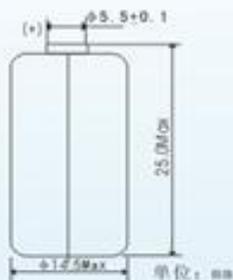
Tests should be made within 45 days after receipt of the batteries.

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Examination procedure & standard

Item	Measuring Procedure	Standard
1.Appearance	Visual check	Clean, unscratched and clearly labeled
2.Dimensions	Measured by calipers with precision of 0.02mm	$\phi 14.5 \times 25.0$ mm max
3.Weight	Weighed by balance with precision of 0.1g	10g max
4.Open-circuit voltage	Measure by volt-meter with precision of 0.01V	≥ 3.65 V
5.Operating voltage	Measure by volt-meter with precision of 0.01V, connecting an impedance of 300Ω in series, Reaching the target voltage in 5 seconds.	≥ 3.30 V
6.Nominal discharge	$1.1K \Omega$, $20 \pm 2^\circ C$, Constant discharge to 2.0V.	≥ 800 mAh
7.Rapid discharge	330Ω , $20 \pm 2^\circ C$, Constant discharge to 2.0V..	≥ 700 mAh
8. Discharge at high temperature	Put battery in constant ambient temperature of $55 \pm 2^\circ C$ for 16 hours, discharge at $1.1K \Omega$ to 2.0V/cell..	≥ 850 mAh
9.Discharge at low temperature	Put battery in constant ambient temperature of $-40 \pm 2^\circ C$ for 16 hours, discharge at $1.1K \Omega$ to 2.0V/cell	≥ 400 mAh
10.Charge	Prohibited	Prohibited
11.Over-discharge	Prohibited	Prohibited
12.Self discharge	Store the batteries at constant temperature of $20 \pm 5^\circ C$, Measure the nominal capacity yearly for 10 years.	$\leq 1\%$

Unless otherwise request , all tests are carried out in ambient temperature $20 \pm 5^\circ C$. Tests should be made within 45 days after receipt of the batteries.



性能数据:

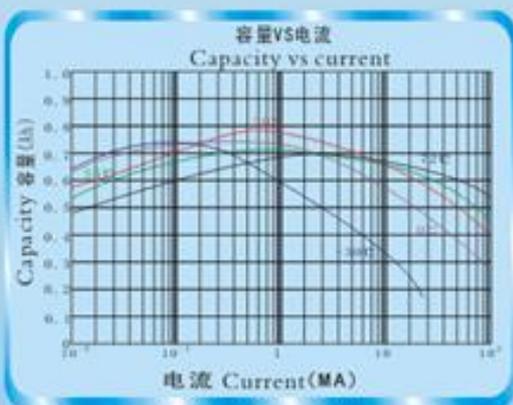
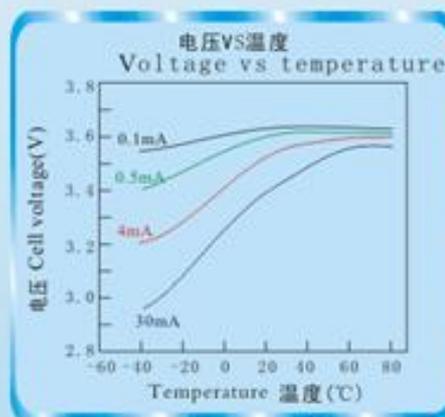
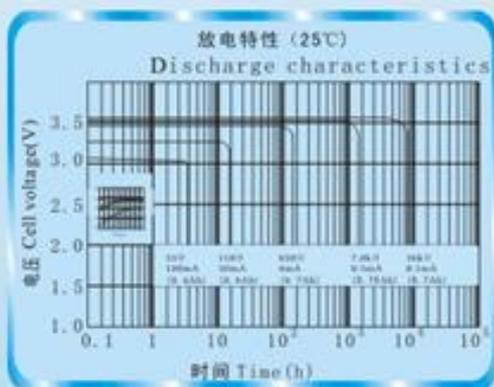
Characteristics

标称容量(0.5mA-2.0v).....	1000mAh
Nominal capacity	
额定电压.....	3.6V
Nominal voltage	
最大连续工作电流.....	200mA
Max.constant current	
最大脉冲电流.....	400mA
Max.pulse current	
电池重量.....	10g
Weight	
电池尺寸.....	$\phi 14.5 \times 25.0\text{mm}$
Volume	
工作温度.....	$-55^{\circ}\text{C} \sim +85^{\circ}\text{C}$
Workable temperature	

■ 极端样式: Available terminations:

- P 轴向焊穿线 -P axial pins
- TPT2 径向插片 -TPT2 radial pins
- PT/TP 多脚插片 -PT/TP polarized tabs

■ 特殊极端样式可按客户要求订做
Available terminations can be made as requested.



注意: 电池正负极之间严禁短路、充电、强迫放电、挤压、拆卸、焚烧; 严禁新旧电池或不同类型电池混合使用; 严禁电池正、负极直接焊接、严禁电池正、负极反装。

Caution:

DO not make the battery short-circuit, nor charge, press, dissemble, bum nor forcibly it; Do not use new and used batteries together nor mix different types of batteries; Do not reverse the positive and negative pole of battery while using it. Do not solder directly on battery.