深圳市耐科森电源科技有限公司
Shenzhen Naccon Power Technology Co., Ltd.

承 认 书

SPECIFICATION FOR APPROVAL

MODEL

型 号: LR1 金标

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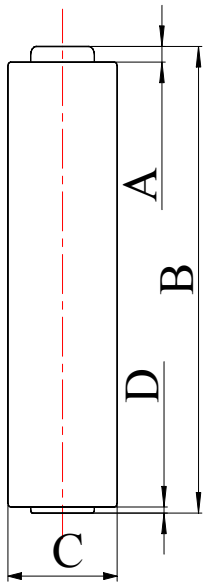
Customer

客 户: _____

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产 品 规 格 书 TECHNICAL SPECIFICATION

1.简介/About



型 号 Model#： N / LR1
尺寸 Dimensions（GB）：

A:1.2-1.5mm	C:10.9-12.0mm
B:29.1-30.2mm	D:0.5-0.8mm

化学结构 Chemical System: Zn/KOH—H_2O/MnO_2
标称电压 Nominal voltage: 1.5V
平均重量 Average weight：9.3~9.7g
商 标：仿金属铝膜 Jacket：Foil Label
参考标准 Reference document: IEC60086-2: 2000, IEC60086-1: 2000, GB/T 8897.1.2-2013
重金属含量 Heavy Metal Contents:

Hg	Cd	Pb
<1 ppm	<10 ppm	<10 ppm

2.额定值/Rating

额定电压/Nominal Voltage		1.5V
使用温度范围 Temperature Range for operation	标准温度 Standard Temperature	20℃±2℃
	专用温度 Special Temperature	30℃±2℃
	高温 High temperature	45℃±2℃
相对湿度范围 Humidity Range for Storage	标准相对湿度 Standard Humidity	35%~75%
	专用相对湿度 Special Humidity	35%~65%
尺寸 Dimension	直径/Diameter	LR1:10.9~12.0mm
	高度/Height	LR1:29.1-30.2mm
近似重量/Approx weight		LR1:9.3~9.7g

3.电性能/Electrical Characteristic

(条件:负载电阻 3.9Ω,精度±0.5%, 测量时间:0.3S,测量温度: 20℃±2℃。收货后 30 天内测试)
（condition: on-load resistance 3.9Ω,precision±0.5%,time:0.3S, temperature: 20℃±2℃。
Testing should be done within 30days upon the receipt of goods. ）

	空载电压/Off-load Voltage(V)	负载电压/On-load Voltage(V)	瞬间电流/Instance current(A)
新电/fresh Battery	≥1.610	≥1.450	≥8.0
室温存储 12 个月/stored for 12 months under Room Temp	≥1.580	≥1.400	≥5.0

4. 放电性能/ Discharge Characteristic

(条件:测量温度: 20℃±2℃。收货后 30 天内测试。)
(condition: temperature: 20℃±2℃. Testing should be done within 30days upon the receipt of goods)

	放电条件/Discharge condition			最少平均放电时间/Minimum average Discharge time	
参考标准/standard	放电负载/on-load resistance	每天放电时间/Discharge time per day	终止电压/end Voltage(V)	新电池/fresh Battery	室温存储 12 个月/stored for 12 months under Room Temp
	3.9Ω	1h/d	0.9	≥90min	≥80min
	300Ω	12h/d	0.9	≥200h	≥190h
	5.1Ω	5min/d	0.9	≥140min	≥130min
	5.1Ω	24h/d	0.9	≥120min	≥100min

容量: 800mAH (标准温度下 25mA 恒流放电至 0.8V)
Capacitance: 1000mAH (S.T. 25mA constant-current discharge to 0.8 V)
(验收标准：每一种放电条件取 9 只电池进行放电。平均放电时间等于或大于规定值，而且放电时间少于规定值的 80%的电池数不大于 1，则认为电池的放电时间符合要求。)
（Inspect standard: discharge 9 sample-batteries for each condition. It passes when average discharge time is no less than Rated Time and the quantity of the batteries which the value is under 80% of Rated Value is no more than one）

5. 耐漏液性能/Anti-leakage characteristic

项目/Item	条件/Condition	期限/Period	特性/Characteristic	验收标准/Inspect standard
过放电耐漏性能 Anti-leakage Feature ofover-discharge	连续放电，温度：20℃±2℃相对 55±20RH on-load:10Ω temp: 20℃±2℃。 Huml:55±20RH	连续放电 0.6V Uninterrupted discharge for 0.6V	电池变形不超出电池尺寸的上限或没有可见漏液情况。 Deformation is less than 0.2mm and no leakage	N=30,AC=0, Re=1

储存期耐漏性能 feature of storage	温度: 60℃±2℃相对湿度:低于 90%RH tenp60℃±2℃ Hunl:≤90%RH	≥30 天/≥30 days		N=30,AC=1, Re=2

6.安全性能/Safety

项目/Item	条件/Condition	期限/Period	特性/Characteristic	验收标准/Inspect standard
短路性能 /anti-short-circuit	温度/Temp: 20℃±2℃	24 小时/24hours	电池没有爆炸 /no explosion	N=9,Ac=0,Re=1

7.标记/Marks:

在电池外标明以下内容:/the following marks will be printed or stamped on the batteries's body

(1) 型号:/Model
(2) 标称电压/Nominal Voltage
(3) 极性/pole
(4) 警告/Warning
(5) 生产日期/到有效期日期（附电池标版）Manufactured Date /Exp date

8.电池存放期/Storage life

于常温及合适环境可储存 3 年/ Under room temp and suitable environment, its shelf time is 3 years

9.放电曲线/Discharge diagram

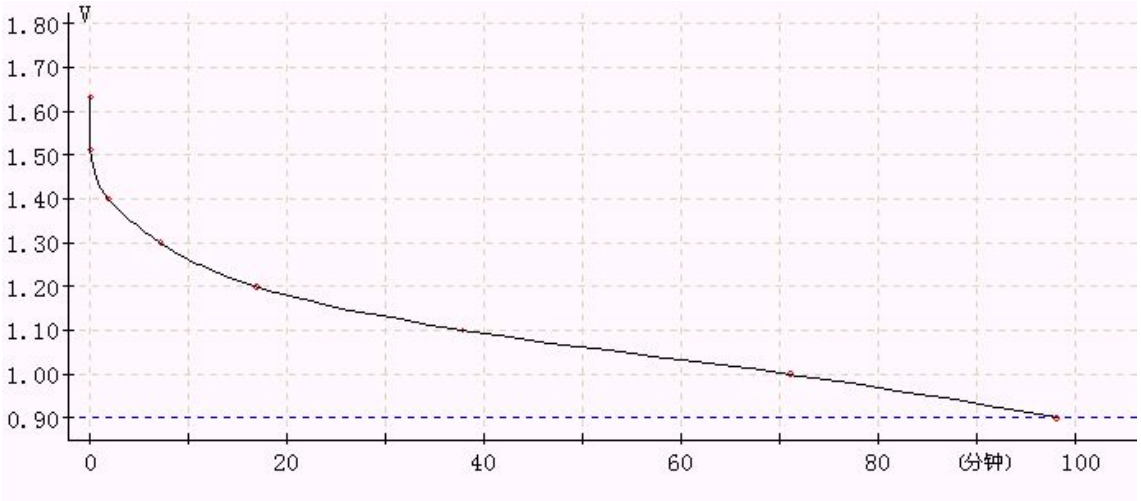
LR1

终止电压 End Voltage：0.90V

放电方式 Discharge Methods：1h/d continuous

室 温 Temperature：20℃±2℃

负载电阻 Load Resistance: 3.9Ω



Discharge Time(mins)