



EVERGREEN (C.P.) USA INC.

338 North Canal Street, Suite #8 South San Francisco, CA 94080

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CHENER ALKALINE MANGANESE DRY BATTERY

LR1/ AM5

1.简介/About

碱性电池 Alkaline

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—H₂O/MnO₂

标称电压 Nominal voltage: 1.5V

平均重量 Average weight: 9.3~9.7g

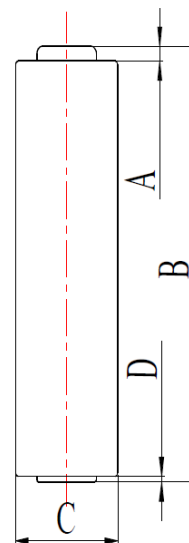
商 标: 仿金属铝膜 Jacket: Foil Label

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°C ± 2°C
	专用温度 Special Temperature	30°C ± 2°C
	高温 High temperature	45°C ± 2°C
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



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3.电性能/Electrical Characteristic

(条件:负载电阻 3.9 Ω ,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 3.9 Ω ,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 / stand ard	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
	3.9 Ω	1h/d	0.9	≥90min	≥80min
	300 Ω	12h/d	0.9	≥200h	≥190h
	5.1 Ω	5min/d	0.9	≥140min	≥130min
	5.1 Ω	24h/d	0.9	≥120min	≥100min

容量: 800mAH (标准温度下 25mA 恒流放电至 0.8V)

Capacitance: 800mAH (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 of over-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 temp: 60℃ ± 2℃ Huml: ≤ 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°C ± 2°C

负载电阻 Load Resistance: 3.9 Ω

