

电池产品规格书

BATTERIES SPECIFICATIONS

产品型号(MODEL NO.): GREENMAX-LR14 C 1.5V

文件标号(FILE NO.): GREENMAX14-D-SA-02

客户编号(CUSTOMER NO.): _____

制定(PREPARED): _____

审核(CHECKED): _____

批准(APPROVED): _____

客户审批 Customer Approved	审核 CHECKED	
	批准 APPROVED	
	请签名盖章确认后回传我司 Please sign and return one copy to us	盖章处 Seal the

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修订履历

MODIFIED LIST

产品变更履历表
Product Modified Record List

Revision 版本	Date 日期	Mark 标记	Modified content 变更内容	Approved by 批准
V1.0	2014-7-20			

一、产品简介 Product Specification

品名: LR14 无汞碱性电池	Description: LR14 Mercury free Alkaline Battery
电化学体系: 锌-锰系列	Chemical System: Zinc-Manganese Dioxide
化学成分: Zn/KOH—H ₂ O/MnO ₂	Chemical System: Zn/KOH—H ₂ O/MnO ₂
标称电压: 1.5V	Nominal Voltage: 1.5V
电池总高: 49.5~50.0 mm	Nominal Height: 49.5~50.0mm
电池直径: 25.4~25.6mm	Nominal Dimension: 25.4~25.6mm
平均重量: 70 克	Average weight: 70g
包装: 铝膜	Jacket: Foil Label
保质期: 5 年	Shelf Life: 5 Year
参考标准 Reference document:	IEC60086-2: 2000, IEC60086-1: 2000, GB/T7112-1998
重金属含量 Heavy Metal Contents:	

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

二、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	45%~75%
	专用相对湿度 Special Humidity	35%~65%
尺寸 Dimension	直径/Diameter	25.4~25.6mm
	高度/Height	49.5~50.0 mm
近似重量/Approx weight		70g

三、电性能特征 Electrical Characteristic

	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	1.61	1.540	15.0
室温存储 12 个月/Stored for 12 months under Room Temp	1.580	1.480	12.0

四、放电性能 Discharge Characteristic

容量: 8.5AH (标准温度下 25mA 恒流放电 至 0.8V)

Capacitance: 8.5AH (S.T. 25mA constant-current discharge to 0.8 V)

(条件:测量温度: 20°C ± 2°C **Condition:** temperature: 20°C ± 2°C)

放电条件 Discharge condition			最小平均放电时间 Average minimum discharge time	
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	24h/d	0.9	≥ 18 h	≥ 17h
3.9 Ω	1h/d	0.9	≥ 20 h	≥ 18h
6.8 Ω	1h/d	0.9	≥ 36 h	≥ 34h
20 Ω	4h/d	0.9	≥ 110 h	≥ 95 h

五、耐漏液性能 Anti-leakage characteristic

项目/Item	条件/Condition	期限/Period	特性/Characteristic	验收标 Inspect standard
过放电耐漏性能 Anti-leakage feature of over-discharge	10 Ω 连续放电 温度: 20°C ± 2°C 相对湿度 65 ± 20RH Discharge on-load: 10 Ω Temp: 20°C ± 2°C Humidity: 65 ± 20RH	连续放至 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。	N=30, AC=0, Re=1
储存期耐漏性能 Anti-leakage feature of storage	温度: 60°C ± 2°C 相对湿度: 低于 90%RH Temp: 60°C ± 2°C Humidity: ≤ 90%RH	20 天 20 days	Deformation is less than 0.2mm and no visual leakage	N=30, AC=0, Re=1

六、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°C ± 2°C	24 小时/24hours	电池没有爆炸 No explosion	N=9,Ac=0,Re=1

七、标记 Marks

在电池外标明以下内容:

The following marks will be printed or stamped on the battery'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/Manufactured Date /Exp date

八、电池存放期 Storage life

于常温及合适环境可储存 5 年/Under room temp & suitable environment, its shelf time is 5years.

九、放电曲线 Discharge Curves

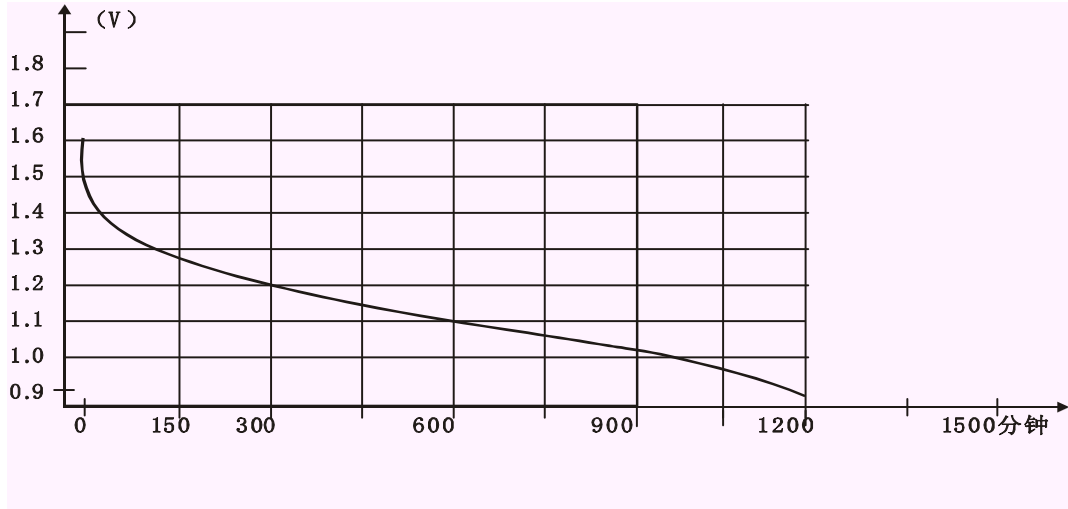
放电方式 Discharge Methods: 24h/d continuous

终止电压 End Voltage: 0.90V

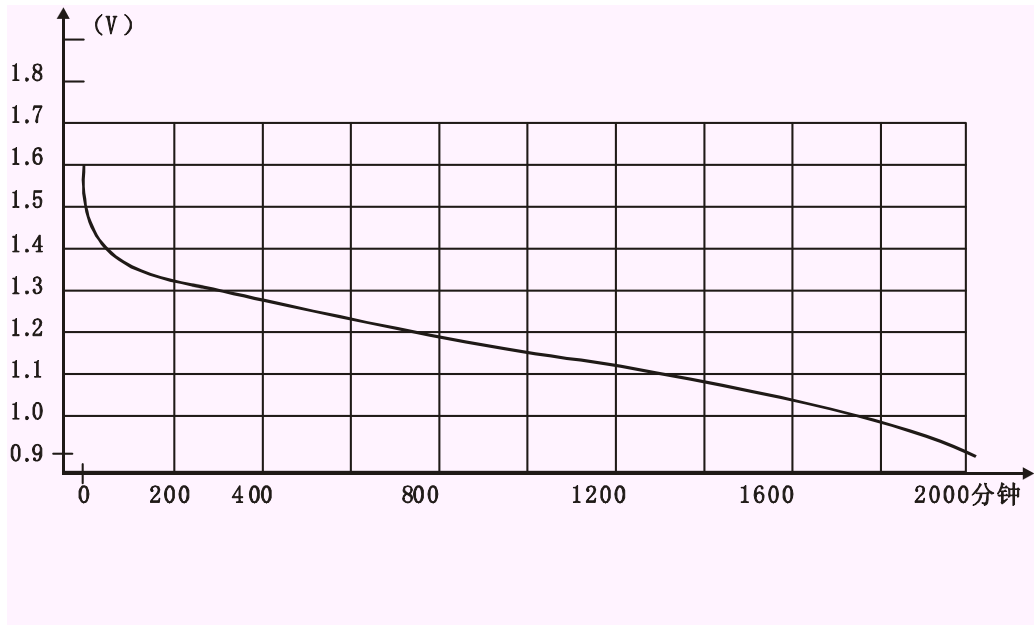
室 温 Temperature: 20°C ± 2°C

1、负载电阻 Load Resistance: 3.9Ω 24h/d continuous

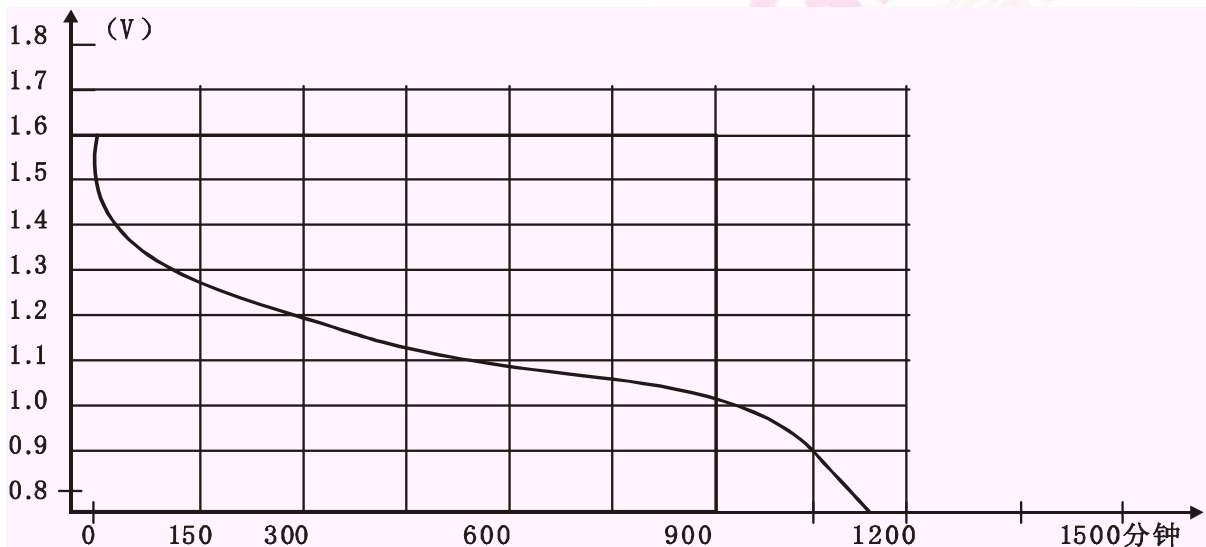
标准时间 Minimum Duration: 1200 min



2、负载电阻 Load Resistance: 6.8Ω 1h/d 标准时间 Minimum Duration: 2000min

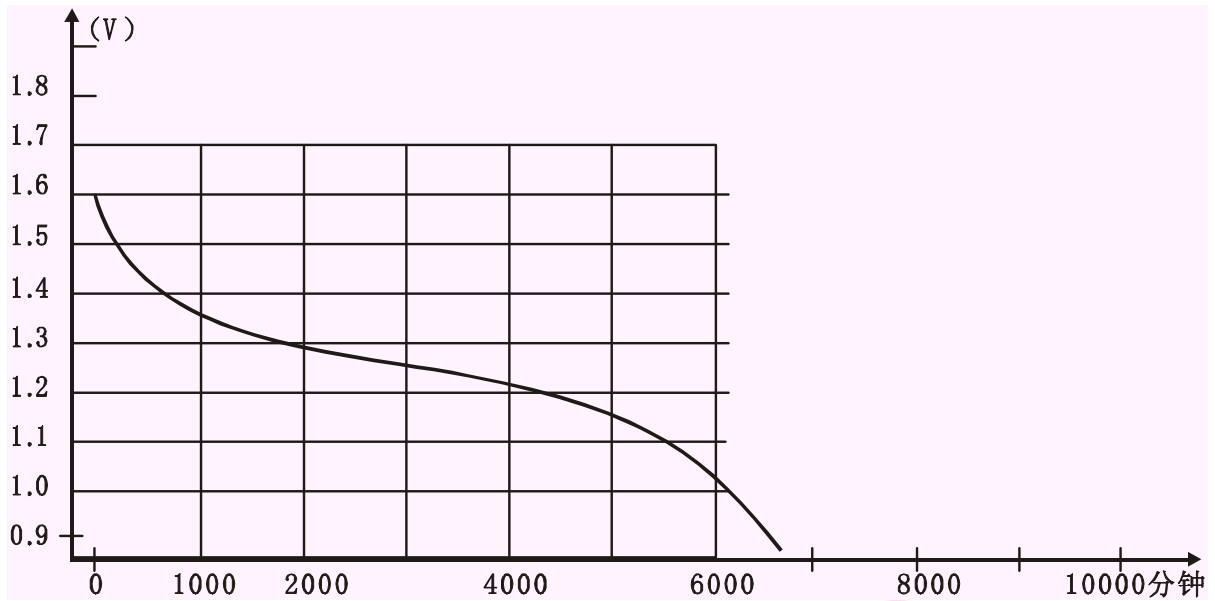


3、负载电阻 Load Resistance: 3.9Ω 1h/d 标准时间 Minimum Duration: 1200min



4、负载电阻 Load Resistance: 20 Ω 4h/day

标准时间 Minimum Duration: 6600min



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