

High Temperature Cell



主要特点

- 3.6V, DD-Size的锂亚硫酰氯电池 (Li-SOCl₂), 含镉电解液
- 高功率性能
- 高容量
- 极端的耐冲击性和耐震动性
- 工作温度高达150°C

MWD Lithium Battery

MODEL : SWH-DD01(A)

PN : 32126H150A

主要特点

- 304L不锈钢外壳
- 非膨胀设计
- GM(glass to metal)密封方式(非漏液设计)
- 安全线路设计(Fuse, Diode)
- 高功率, 低自放电

优点

- 行业最大容量
- 高恒定电流和高脉冲特性
- 基于含铝电解液, 能实现较低的成本和非常低的自放电
- 自动化生产(性能一致性)
- 安全性和可靠性(电池通过极端的震动和冲击测试)
- 价格优势

技术支持

- Vitzrocell提供全力的技术服务
- 应用技术分析服务
- 模拟测试和报告
- 现场问题分析和报告
- 为定制工程服务

滥用和运输认证

- UN/DOT认证 : Class 9 Transportation, UN 3090 Lithium Metal Batteries
- 冲击测试认证 : 1000G 0.5ms 10 shock each axis at 150°C
- 震动测试认证 : 30G Sine & 20G random vibration at 150°C (Full Report Available)

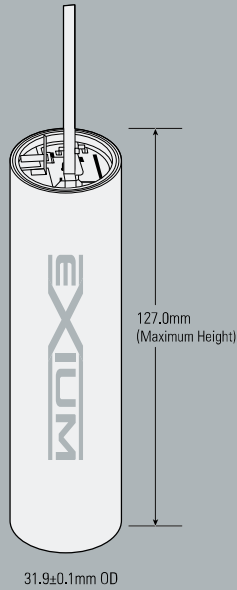
电池特性(Cell Characteristics)

公称容量(Nominal Capacity)	27Ah-29Ah
<small>Based on 500mA discharge at temperatures of 25, 50, 75, 100, 125, and 150°C to a 2.0V cutoff. Discharge at higher currents or lower temperatures will affect capacity obtained.</small>	
公称开路电压(Open Circuit Voltage)	3.66V
<small>At 20°C</small>	
公称闭路电压(Nominal Closed Circuit Voltage)	3.3V
<small>Based on stable CCV produced at 25°C under a 500mA load. The CCV of a cell will decay slightly over discharge due to the normal increase in internal impedance.</small>	
脉冲放电电流(Pulse Discharge Capability)	4A
<small>4 Amp pulse discharge of 0.1sec. duration once every 2minutes at ≈75°C will maintain > 3.0V. Contact Exium to determine the effect of higher currents, longer duration pulses, or lower temperatures. In some cases a capacitor may be required to maintain the desired voltage.</small>	
恒流放电(Constant Current Discharge)	650mA(max capacity) 1300mA(reduced capacity)
储存条件(Storage Conditions)	30°C (86°F) Max
工作温度范围(Operational Temperature Range)	-40°C to 150°C
<small>Note full capacity is obtained at temperatures of 25°C and above. Below 25°C both the rate capability and the capacity of the cell are reduced.</small>	
保险丝(Fuse)	5.0A
并联二极管(Parallel Diode)	3.0A

物理特性(Physical Characteristics)

直径(Diameter)	31.90mm(1.26 in)
长度(Height)	127.0mm max.(5.0 in)
重量(Weight)	230g
锂重(Lithium Metal Content)	8.02g

外形尺寸



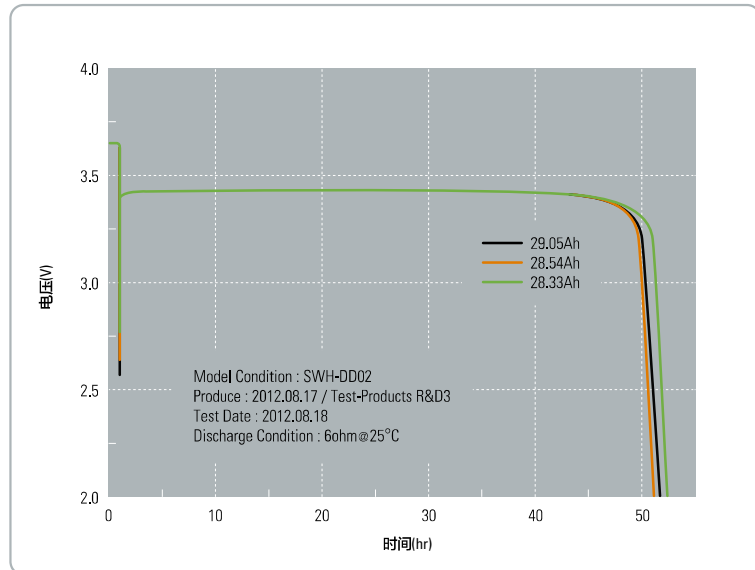
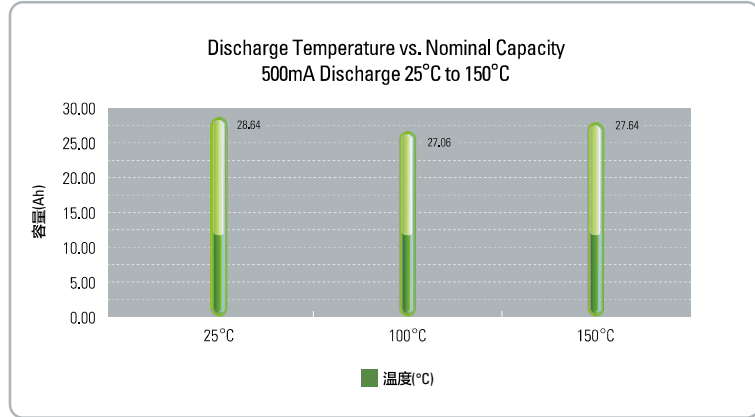
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温度对容量



存储(Storage)

· 存储电池在阴凉(<30°C)干燥的位置

注意(Warning)

- 由于不注意使用, 电池会有火灾, 爆炸和烧伤的危险。
- 若电池在水中暴露, 会与水反应, 并会产生易燃和有毒气体。
- 请不要把电池充电, 接触明火, 短路, 挤压, 拆卸或焚烧。
- 请不要把电池暴露在超过最高工作温度(150°C)的环境。