

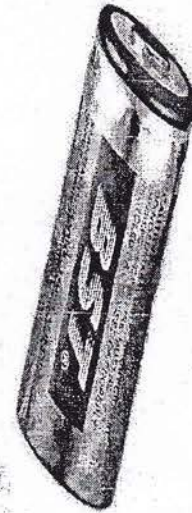
APPROVAL SHEET

BATTERY DATA 电池信息

CUSTOMER NO.: S1211152
 BST MODEL NO.: H-18700/3800BT
 CUSTOMER APPROVED P/N: _____
 SPECIFICATION NO.: Y201211463

RATINGS 标称定额

IEC Size 国际标准尺寸: HRMT18/72
 Nominal voltage 标称电压: 1.2V
 Nominal capacity 标称容量: 3800mAh at 0.2CmA
 Typical weight 典型重量: 64g
 Standard charge 标准充电: 380mA×15hours
 Standard discharge 标准放电: 760mA to 1.0V
 Trickle charge 涓流充电: 114~152mA
 Discharge cut-off voltage in condition to trickle charge
 涓流充电条件下放电终止电压: 1.0V
 Temperature range for operation 工作温度:
 Standard charge 标准充电: 0~+70°C
 Trickle charge 涓流充电: 0~+70°C
 Discharge 放电: -20~+70°C
 Temperature range for storage 储存温度:
 Within 6 months 六个月以内: -20~+30°C
 Within a months 一个月以内: -20~+40°C
 Within a week 七天以内: -20~+50°C



Please sign and return one copy to us (with company choo) 请回签并盖章

ISSUE Management

PREPARED BY 制作: 王芳 2012-11

CHECKED BY 审核:

APPROVED BY 批准: 

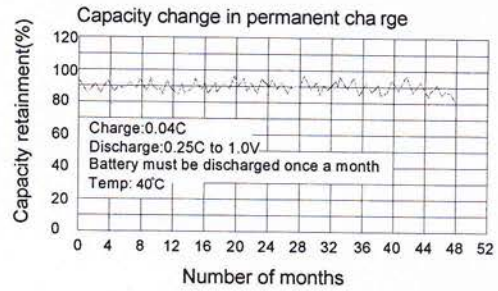
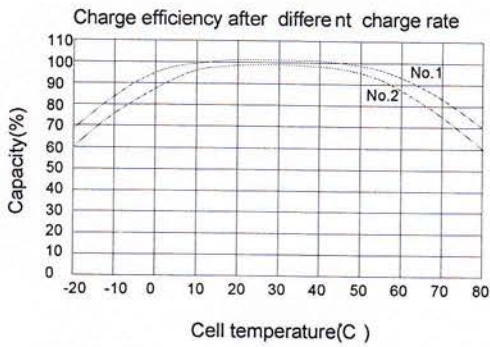
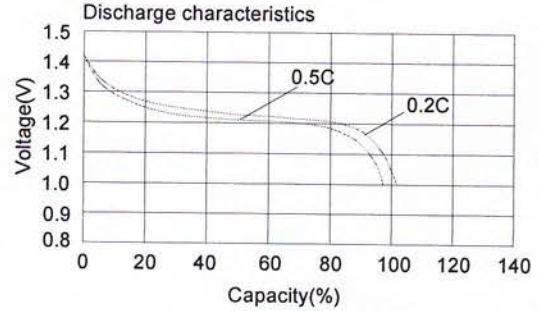
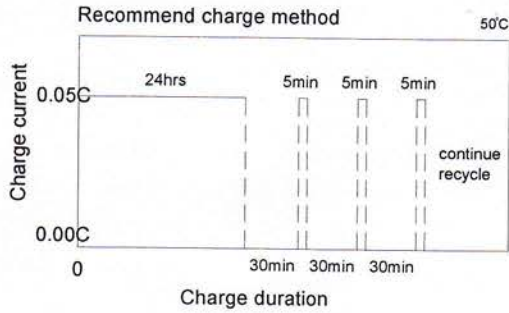
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1. DATA SHEET 数据表

Typical characteristics

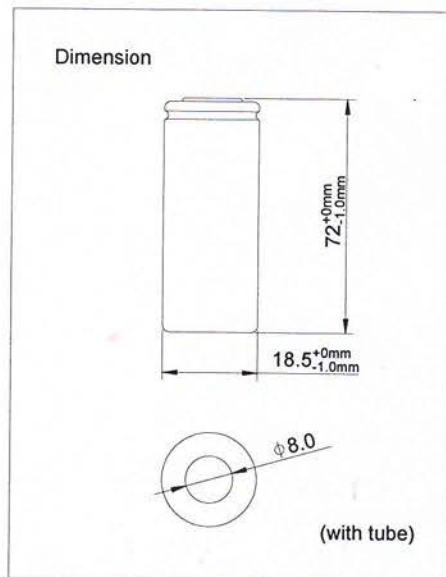


Specification

Nominal Voltage		1.2V	
Capacity (mAh)	Rate	0.2C	0.5C
	Nominal	3800	3420
	Typical	3876	3800
Internal Resistance(at 1KHz)		≤ 20mΩ	
Charge	Standard	0.1C × 15hrs	
	Trickle	0.03C - 0.04C	
Discharge cut-off voltage		1.0V	

NOTE:

1. Nominal capacity rated at 0.2C
2. Other capacity are for reference
3. Weight and internal resistance are for reference



2. PERFORMANCE 性能测试

2.1 TEST METHOD & PERFORMANCE 测试方法及性能要求

Test item 测试项目	Unit 单位	Spec 规格	Conditions 条件	Remarks 备注
Capacity 容量	mAh	≥3800	Standard charge/discharge 标准充电/标准放电	Up to 3 cycles are allowed 允许循环 3 次
Internal impedance(R) 内阻	mΩ	≤20	After fully charge (at 1000Hz) 充满电后用 1KHz 测试	Per Pack 每组电池
High rate discharge 大电流放电	minute	≥108	Standard charge and discharge at 0.5CmA 标准充电后用 0.5C 电 流放	End voltage is 1.0V/pcs 终止电压 1.0V/只
Safety device operation 安全阀启动测试	N/A	No disrupt nor burst 不爆炸不爆 裂	Forced discharge is conducted for 60minutes at 1C after pre-discharge at 0.2C to 0V 先将 电池以 0.2C 放电到 0V 后再用 1C 电流强行放电 60 分钟	Leakage of electrolyte and deformation are acceptable 允许电池有漏液和变形

2.2 Special clause for Emergency Lighting luminaries 适用于应急灯的特殊条款

Item	Technical Data	International standards Clauses
cells intended for permanent charge at elevated temperature	Yes	IEC 61-951-2 (ex IEC61436)§7.2 IEC 61-951-2 (ex IEC61436) §7.4.2.3 and 7.9
Expected operation life under following conditions: ·Maximum continuous temperature ·Maximum occasional temperature ·Permanent charging current ·Discharge frequency ·Minimum operating time	>4years +40°C +55°C(1 month) 152mA max 1 disch/month 1 hour at 0.6C 3 hours at 0.25C	

3. PRECAUTION 注意事项

- 3.1 The cells shall be delivered in charged condition, before testing or using, the cells shall be correctly charged or discharge in accordance with this specification. 电池在交付时可能带电，在测试或使用前，请按此规格书要求的充放电方式进行作业
- 3.2 Do not charge with more than our specified current. 不能用超过我们规定的电流进行充电
- 3.3 Avoid throwing cells into a fire or attempting to disassemble them. As the electrolyte inside is strong alkaline and can damage skin and clothes. 不要将电池投入火中或试图解剖，因为电池内部有强碱，会伤害皮肤和衣服
- 3.4 Avoid short-circuiting. It may be leakage. 避免将电池短路，会产生漏液
- 3.5 Keep away from children, if swallowed, contact a physician at once. 避免儿童接触电池，如不慎吞咽，请立即看医生
- 3.6 Do not mix BST batteries with other battery brands or batteries of a different chemistry such as alkaline and zinc carbon. 不要将 BST 品牌电池与其它品牌电池或不同化学结构诸如碱性锌电池混用
- 3.7 Batteries must charge and discharge one cycle at least if it is not in using within six month after delivery; And used in normal condition, one year of quality guarantee 电池在收到后半年内未使用，必须进行一次充放电，正常使用情况下保质期为一年