

APPROVAL SHEET

BATTERY DATA 电池信息

CUSTOMER NO.: _____ C45
BST MODEL NO.: _____ D-SC1800BT*2H-JEH
CUSTOMER APPROVED P/N: _____ 275608
SPECIFICATION NO.: _____ A201304054

RATINGS 标称定额

IEC Size 国际标准尺寸: KRMU23/43
Nominal voltage 标称电压: 2.4V
Nominal capacity 标称容量: 1800mAh at 0.2CmA
Typical weight 典型重量: 120g
Standard charge 标准充电: 180mA×15hours
Standard discharge 标准放电: 360mA to 2.0V
Trickle charge 涓流充电: 54~112.5mA
Discharge cut-off voltage in condition to trickle charge
涓流充电条件下放电终止电压: 2.0V
Temperature range for operation 工作温度:
Standard charge 标准充电: 0~+70℃
Trickle charge 涓流充电: 0~+70℃
Discharge 放电: -20~+70℃
Temperature range for storage 储存温度:
Within 6 months 六个月以内: -20~+30℃
Within a months 一个月以内: -20~+40℃
Within a week 七天以内: -20~+50℃



Please sign and return one copy to us (with company chop) 请回答并盖章

ISSUE Management

PREPARED BY 制作: 刘浩哲

CHECKED BY 审核:

APPROVED BY 批准:

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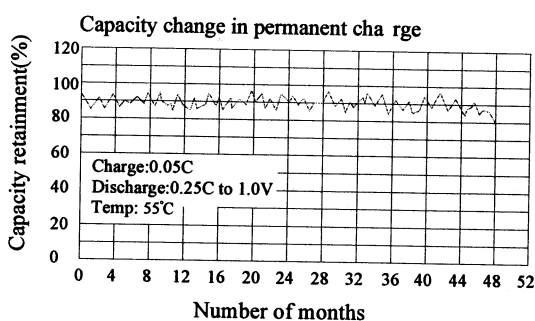
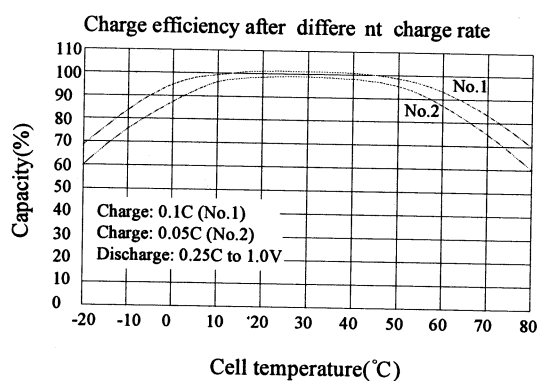
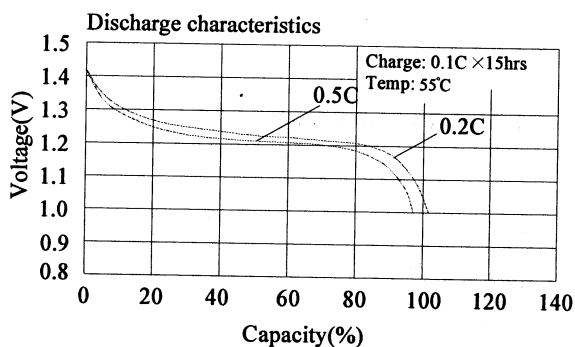
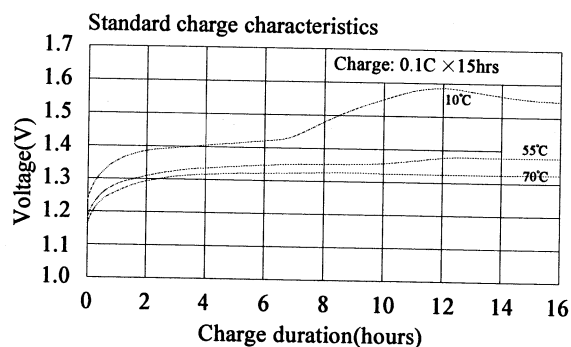
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1. DATA SHEET 数据表

Typical characteristics



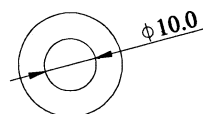
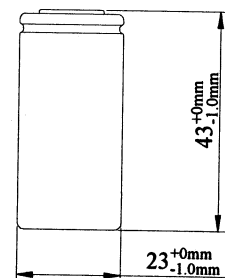
Specification

Nominal Voltage		1.2V	
Capacity (mAh)	Rate	0.2C	0.5C
	Nominal	1800	1620
	Typical	1850	1800
Internal Resistance (at 1KHz)		$\leq 18m\Omega$	
Charge	Standard	$0.1C \times 15hrs$	
	Trickle	$0.03C - 0.0625C$	
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

Dimension



(with tube)

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	≥ 1800	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	m Ω	≤ 85	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 流放电	End voltage is 2.0V/pks 终止电压 2.0V/组
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 61-951-1 (ex IEC60285)§7.2 IEC 61-951-1 (ex IEC60285) §7.4.2.4 and 7.9
Expected operation life under following conditions: ·Maximum continuous temperature ·Maximum occasional temperature ·Permanent charging current ·Discharge frequency ·Minimum operating time	>4years +55℃ +65℃(1 month) 90mA max 1 disch/month 1 hour at 0.6C 3 hours at 0.25C	IEC 60598.2.22 clause 22.6.8 IEC 60598.2.22 Annex A

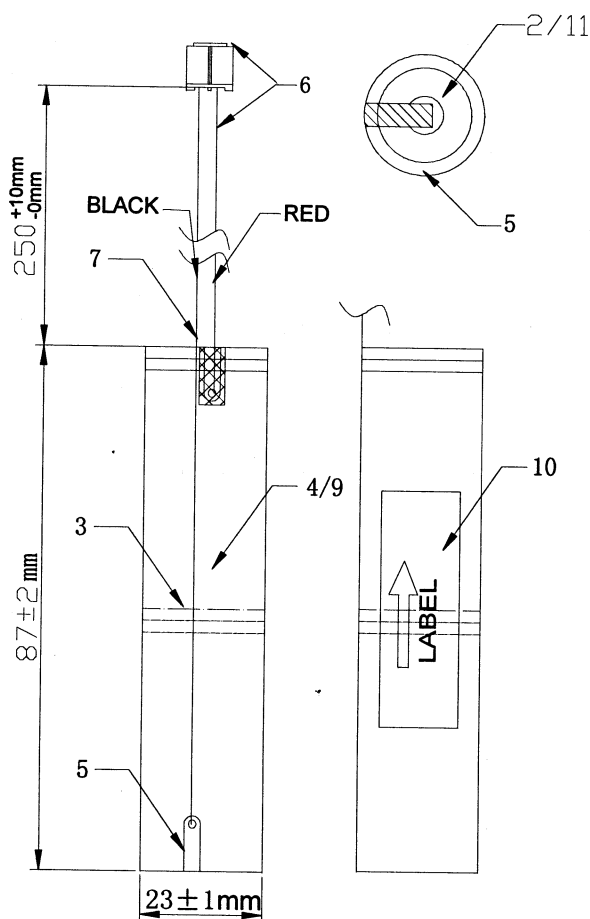
3. PRECAUTION 注意事项

- 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 come into use within one year of delivery. 电池必须在收到货的一年内投入使用

4. DIMENSION AND DRAWING 图纸尺寸

BST POWER (SHENZHEN) LIMITED

DOCUMENT: C45-020 D-SC1800BT×2H-JEH



11	LABEL	1PCS
10	LABEL	1PCS
9	PVC	1PCS
8	BOTTOM WASHER	2PCS
7	TUBE	1PCS
6	PLUG	1PCS
5	LEAD TAG	2PCS
4	PAPER TUBE	1PCS
3	CONNECTOR	1PCS
2	WASHER	2PCS
1	CELL	2PCS
NO.	MATERIAL	QTY

APPROVED

CHECKED

DRAWN