



承 认 书

(APPROVAL SPECIFICATION)

客户代码 (Customer Code): _____
规格型号 (Specifications): H-AA1200BT
承认日期 (Approved date): 2016. 4. 1
供应商名称 (Supplier name): 深圳市电科电源股份有限公司
样品单号/版本 (Sample Number/Version): _____

签 名 盖 章 (Signature and Chop)

供应商承认 Supplier Approval			客户承认 Customer Approval		
工 程 师 Engineer	审 核 Checked by	批 准 Approved by	我们确认产品符合规格书内容，会按规格书要求使用。 We confirm the product BST provided fulfil its Specification, and will operate according to the requirements agreed here.		
			工 程 师 Engineer	审 核 Checked by	批 准 Approved by
 2016.4.7	/	 2016.4.7			
			盖 章 签 署 Signed and sealed		
			日 期 Date		

Add: No.37 Xinlong Road, Dakang Village, Henggang Town, Longgang District, Shenzhen City. 深圳市龙岗区横岗街道大康社区新龙路 37 号

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产 品 规 格 书

PRODUCT SPECIFICATION

产 品 名 称: 镍氢二次电池

(Product Name: Nickel-Metal Hydride rechargeable battery)

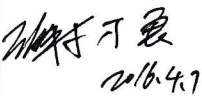


规格型号(Type): H-AA1200BT

样品单号(Sample Number): _____

客户代码(Customer Code): _____

客户产品料号(CUSTOMER APPROVED P/N): _____

成品料号(PRODUCT P/N): _____

制作: PREPARED BY	审核: CHECKED BY	批准: APPROVED BY	业务确认: SALES CHECKED BY
 2016.4.7		 2016.4.7	

Add: No.37 Xinlong Road, Dakang Village, Henggang Town, Longgang District, Shenzhen City.

深圳市龙岗区横岗街道大康社区新龙路 37 号

Tel: 86-755-84260300 Fax: 86-755-84260306

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E-mail: sales@bstbattery.com

1. DATASHEET 数据表:

 1.1 Nominal voltage 标称电压: 1.2V

 1.2 Typical weight 典型重量: 23g

 1.3 Standard charge 标准充电: 120mA×15hours

 1.4 Standard discharge 标准放电: 240mA to 1.0V

 1.5 Trickle charge 涓流充电: 24~36mA

 1.6 Discharge cut-off voltage in condition of trickle charge:涓流充电条件下放电终止电压: 0.85V

 1.7 Temperature range for operation 工作温度: 0~+70℃

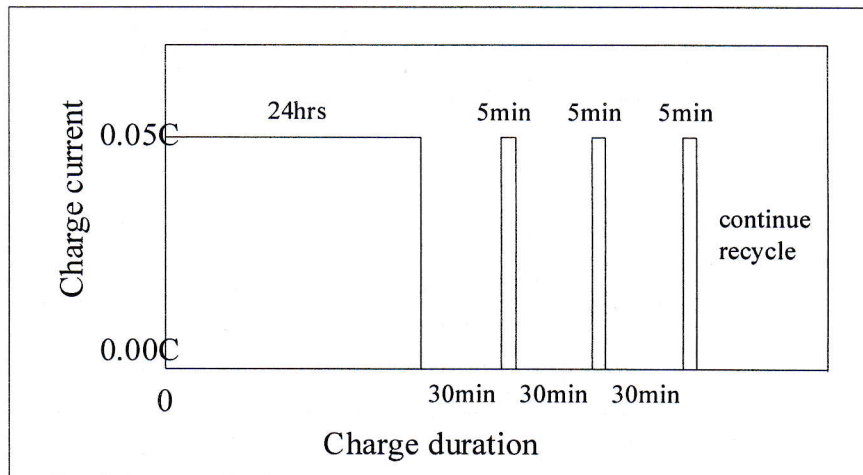
 1.8 Temperature range for storage 储存温度: Within 6 months 六个月以内: -20~+30℃

 Within a month 一个月以内: -20~+40℃

 Within a week 七天以内: -20~+50℃

1.9 Recommended charge method 推荐充电方法

Sheet 1



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	≥ 1200	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	≤ 30	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/pks 终止电压 1.0V/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
Design lifetime under following conditions:	>4years	EN60598-2-22 IEC 61-951-2
·Maximum continuous temperature	+40°C	Shorter than 1 month
·Maximum occasional temperature	+55°C	
·Minimum temperature	+5°C	Continue charging after preconditioning 24h charge
·Preconditioning 24h charge	60mA	
·Pulse charging	Ref. sheet 1	
·Minimum operating time	1 hour at 0.6C 3 hours at 0.25C	
·Cut off voltage	0.85V	
·Discharge frequency	once/quarter	

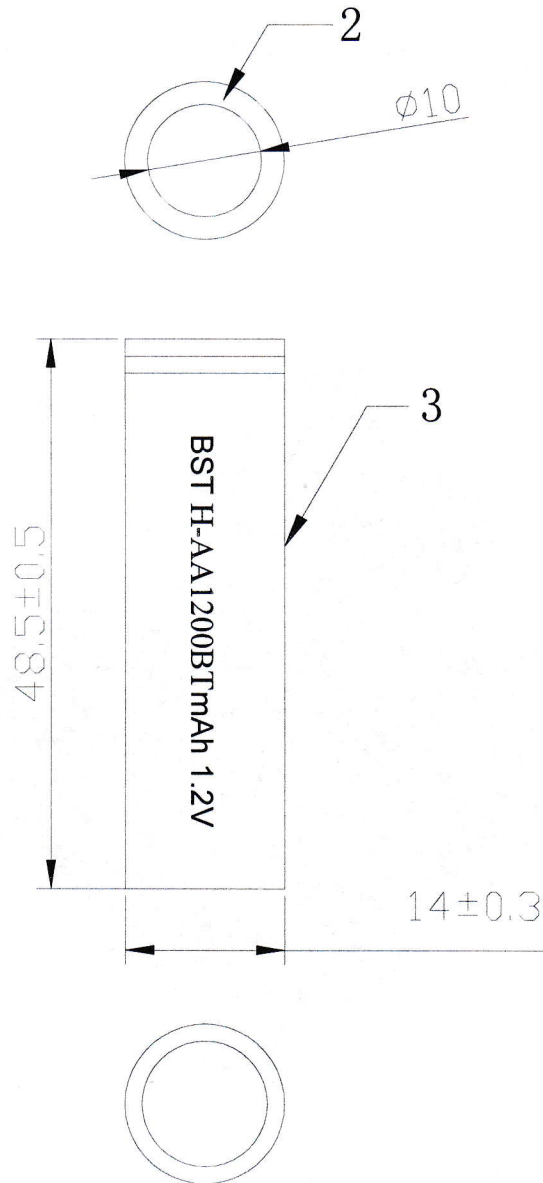
3. PRECAUTION 注意事项

- 3.1 The cells shall be delivered in charged condition, before testing or using, the cells shall be correctly charged or discharged 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 Battery storage: when the battery stored for six months (form delivery to the lamp working) at -20~30°C, it must be charged and discharged one cycle; and then charge the battery to 30%~50% capacity, the battery should be stored for another six months 电池储存: 电池在-20~30°C环境中储存半年（从出货时间算起到灯正式使用前），必须充放电一次；然后再充电 30-50%之后再储存半年使用。
- 3.2.1 Charge and discharge method: charge the battery for 24h by the lamp and discharge until the lamp turnoff, Or charge the battery at 0.2C for 5.5h and discharge to 1.0V/CELL at 0.5C. 充放电方法：用灯充电 24 小时，再用灯放电到灯灭。或用 0.2C 电流充电 5.5 小时，再用 0.5C 放电到 1.0V/CELL。
- 3.2.2 Charge 30-50% method: charge the battery for 8h by the lamp or charge the battery at 0.2C for 2~2.5h.再充电 30~50%方法：用灯充电 8 小时，或用 0.2C 电流充电 2~2.5 小时。
- 3.3 Products(lamp) storage before using 产品使用前储存: Do not connect the battery to the PCB before products(lamp) working or the products(lamp) is in delivery, the battery must be stored independently. Connect the battery to PCB when the products(lamp) start working 产品（灯）出货时，在正式使用前：电池不要接到线路板，电池必须单独开路储存。在灯要正式使用之前才将电池连接到灯上。
- 3.4 Starting from the date of shipment, the warranty period is 12 months.从出货日期开始，质保期为 12 个月。

4. DRAWING AND DIMENSION 图纸尺寸

BST POWER (SHENZHEN) LIMITED

DOCUMENT: H-AA1200BT



3	PVC	WHITE	1pcs
2	WASHER	WHITE PAPER	1pcs
1	CELL	H-AA1200BT	1pcs
NO.	MATERIAL	SPEC.	QTY

5. REVISE HISTORY 修订历史

修订历史 Revise History		
日期 (Date)	版本 (Version)	修改内容 (Content)
2016-4-1	A/0	首版发行 First Edition