**上海赫珠实业有限公司**

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| 产品型号Model： | BR-2420 |
| 产品名称Name： | 24V 20AH 百韧离锂子电池组 |

**1.0范围Discription**

本档描述了百韧锂电池的可充电锂离子电池组BR-2420

This doc discriped the BR-2420 battery sepcification

**2.0 基本特性 Specification**

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| 2.1 | 电池型号model name | BR-2420 |
| 2.2 | 适用机型 Voltage | 24V |
| 2.3 | 电芯材质 Material | 三元ternary |
| 2.4 | 额定电压 Voltage | 24V |
| 2.5 | 额定容量Capacity | 20AH |
| 2.6 | 内阻internal resistance | ≤60毫欧(mΩ) |
| 2.7 | 放电截止电压（0.1CA）stop working voltage | 21V |
| 2.8 | 标准充电（0.25CA ）charging current | 5A |
| 2.9 | 充电限制电压 max charging carrent | 5A |
| 2.10 | 充电限制电压 max volatage | 29.4V |
| 2.11 | 过流保证电流 max discharg curent | 50+0.5A |
| 2.12 | 自耗电 self discharge current | <6uA |
| 2.13 | 短路保证 short connection protection | 10ms以内 |
| 2.14 | OV充电功能 lowest charging voltage | 0V可充电 |
| 2.15 | 充电方法 battery charger | CC/CV(恒流恒压 same voltage with current) |
| 2.16 | 外形尺寸 battery size | 根据客户需求 according to customer |
| 2.17 | 重量 weight | 3.5KG+0.5KG |
| 2.18 | 操作温度 operation tempreture | 充电温度(charging tempreture)：0-45℃  放电温度(discharge tempreture)：-20-60℃ |
| 2.19 | 存储温度 storage tempreture | 1月(month) -20-60℃  3月(month) -20-45℃  1年 (year)-20-25℃ |
| 2.20 | 相对湿度humidness | 65+20% |
| 2.21 | 外观要求 outside requirement | 当外观不良如擦伤、刮痕，变形，生锈，漏液等影响到商业价值和性能时，将不能接收  Outside should be good, no Scratch, no rusty, no liquid, no deformation |
| 2.22 | 运输电压要求 voltage when transporation | 26-28V |

**3.0保质期限及产品责任 Warranty**

1、Eight months after the battery produced.

2、Wrong operation or open the battery without supplier’s permisstion will lost warranty.

**4.0包装电池上的标示 Notice on the battery**

以下警告应注明在包装后的电池上 The following warning notice on the battery

1、使用规定充电器 Use correct battery charger

2、不要将电池投入火中，水中和加热 Don’t put the battery in fire and hot water

3、不要将电池两端短路 Don’t connected the postive and Negtive of battery

4、不要将电池分解拆散 Don’t open the battery

**7.0电池使用时警告事项及注意事项 Warraning when use battery**

1. 电池充电时最好先恒定电流，再恒定电压，才能充饱电。Use correct battery charger.
2. 电池长时间储存在25+5℃为宜，超过一个月应对电池进行一次完全充放电回圈，再将电池充电至29.4V的条件下储存。Storage tempreture is 25+5℃, battery should be discharge and charge 1 time each month(1 cycle). When storage the battery, charge the battery full to 29.4V.

**警告！Warraning**

1. 严禁将电池浸入海水或水中，保存不用时，应放置于干燥的环境中 Don’t put battery in water, when storage, keep the battery in cool, dry place.
2. 禁止将电池在热高温源旁，如火、加热器等使用和留置. Don’t put the battery near to fire, or near to high tempreture.
3. 充电时请选用原装充电器或本公司配套充电器 Select our standerd battery charger.
4. 严禁颠倒正负极使用电池 Don’t short connected the positve and negtive of battery.
5. 严禁将电池直接接入电源插座 Don’t connected the battery to power without battery charger.
6. 禁止将电池丢于火或加热器中 Don’t put battery into fire and hot water.
7. 禁止用金属直接连接电池正负极短路 Don’t put the metal parts near to postive and negetive
8. 禁止将电池于金属，如发夹，项链等一起运输或储存 Don’t put metal parts with battery together when transporation or storage.
9. 禁止敲打或抛掷，踩踏电池等 Don’t hit or tread battery.
10. 禁止直接焊接电池和用钉子或其他利器刺穿电池 Don’t welding or cut the battery.