



深圳市优贝特科技有限公司
UBETTER TECHNOLOGY COMPANY LIMITED

VER: A0

地址: 广东省深圳市大鹏新区葵涌镇第三工业区 2 栋
TEL: 86 (0) 0755-85235266 FAX: 86 (0) 0755-84239966

DATE: 2019/07/11

1 Scope (适用范围)

This specification is applied to the reference battery in this Specification and manufactured by Ubetter Technology Company Limited.

本规格书标准适用于以下所提及的深圳市优贝特科技有限公司制造的电池。

2 Product Specification (产品技术规格)

Table 1 (表 1)

No. (序号)	Item (项目)	General Parameter (常规参数)		Remark (备注)
1	Rated Capacity (额定容量)	Typical (标称容量)	100Ah	Standard discharge (0.2C ₅ A) after Standard charge (标准充电后 0.2C ₅ A 标准放电)
		Minimum (最小容量)	100Ah	
2	Nominal Voltage (正常电压)	3.2V		Mean Operation Voltage (即工作电压)
3	Discharge Cut-off Voltage (放电截止电压)	2.5V		
4	Charge Cut-off Voltage (充电截止电压)	3.65V		
5	Internal Impedance (内阻)	≤0.4mΩ		
6	Standard charge (标准充电)	20A		0.2C
7	Standard discharge (标准放电)	20A		0.2C



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Continuous the table 1 (续表 1)

No. (序号)	Item (项目)	General Parameter (常规参数)	Remark (备注)
8	Fast charge (快速充电)	100A	1C
9	Fast discharge (快速放电)	100A	1C
10	Maximum Charge Current (最大充电电流)	100A	1C
11	Maximum Discharge Current (最大放电电流)	300A	3C
12	Operation Temperature Range (工作温度范围)	Charge (充电): 0~45°C	<75% R.H. Bare Cell (单体电池储存湿度范围)
		Discharge (放电): -10~60°C	
13	Storage Temperature Range (储存温度范围)	Less than 1 year: 0~25°C (小于一年: 0~25°C)	<75% R.H. at the shipment state (出货状态时的湿度范围)
		less than 3 months: 0~45°C (小于 3 个月: 0~45°C)	
		Less than 1 months : -10~60°C (小于 1 个月: -10~60°C)	
14	Weight 重量	Approx 2.5kg	
15	Cell Dimension (电芯尺寸)	厚度 Thickness 40.0±1mm	Initial Dimension (初始尺寸)
		宽度 Width 130±0.5mm	
		高度 Height 220±1.5mm	

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3.4 Appearance (外观) There shall be no such defect as flaw, crack, rust, leakage, which may adversely affect commercial value of battery. 电池外观应没有划伤、破裂、污渍、生锈、漏液等影响市场价值的缺陷存在。																
3.5 Initial Performance Test (初始性能测试) Table 2 (表 2)																
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3.6 Temperature Dependence of discharge capacity (放电温度特性) Cells shall be charged per 3.3.1 and discharged @0.2 C ₅ A to 2.5 volts. Except to be discharged at temperatures per Table 3. Cells shall be stored for 3 hours at the test temperature prior to discharging and then shall be discharged at the test temperature. The capacity of a cell at each temperature shall be compared to the capacity achieved at 25 °C and the percentage shall be calculated. Each cell shall meet or exceed the requirements of Table 3. 电池按 3.3.1 规定充电。按表 3 的温度中放电, 电池必须先在该试验温度中放置 3 个小时。在每一个温度中的放电容量应不小于表 3 的要求。																
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