





UN38.3 检测报告 TEST REPORT

报告编号:

BCTC2504177071B
Report No.:

委托单位:

广东胜蓝车品新能源科技有限公司

Applicant:

GUANGDONG JCTC POWER CO.,LTD

产品名称:

锂离子电池

Product Name:

Li-ion Battery

产品型号:

IMR 18650 2000mAh 3.7V

Test Model:

检测日期:

2025-04-03 至 2025-04-18

Tested Date:

2025-04-19

签发日期:

Issued Date:

深圳市倍测检测有限公司 Shenzhen BCTC Testing Co., Ltd.



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联合国《关于危险货物运输的建议书试验和标准手册》第七版修订 1, 38.3 章节

Recommendations on the TRANSPORT OF DANGEROUS GOODS" Manual of Tests

and Criteria (ST/SG/AC.10/11/Rev.7/Amend.1, 38.3)

	客户信息 Client Information				
委托单位	广东胜蓝车品新能源科技有限公司				
Applicant	GUANGDONG JCTC POWER CO.,LTD				
委托单位地址	广东省东莞市东坑镇塔新路 100 号东升科技产业园 5 栋 6 楼				
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	Town, Dongguan, Guangdong, China				
商标					
Trade Mark					
制造商 Manufacturer	广东胜蓝车品新能源科技有限公司				
Manufacturer	GUANGDONG JCTC POWER CO.,LTD 广东省东莞市东坑镇塔新路 100 号东升科技产业园 5 栋 6 楼				
制造商地址	6F, Building 5, Dongsheng Industrial Park, No. 100 Taxin Road, Dongkeng				
Address	Town, Dongguan, Guangdong, China				
生产厂	广东胜蓝车品新能源科技有限公司				
Factory	GUANGDONG JCTC POWER CO.,LTD				
	广东省东莞市东坑镇塔新路 100 号东升科技产业园 5 栋 6 楼				
生产厂地址	6F, Building 5, Dongsheng Industrial Park, No. 100 Taxin Road, Dongkeng				
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公司网址					
Website					
	产品信息 Product Information				
产品名称	锂离子电池				
Product Name	Li-ion Battery				
型号 Madal/Time Deference	IMR 18650 2000mAh 3.7V				
Model/Type Reference 规格					
Ratings	18.5V, 4000mAh, 74Wh				
产品颜色	黑色				
Product color	Black				
产品尺寸	长度*宽度*厚度				
Product Size	115.1*74.4*68.7mm				
内部电芯型号	IMR18650-2000mAh				
Internal Cell Model 内部电芯规格					
內部电心然恰 Internal Cell Ratings	3.7V, 2000mAh, 7.4Wh				
测试产品编号	H-NI-/P				
Test Product No.	电池/Battery: 250492734-B01~B16; 电芯/Cell: 250492734-C01~C30				
接收日期	2025-04-03				
Received Date	2020 07 00				

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	测试项目 Test Items						
章 节 Clause	测试项目名称 Name of Test Items	结 论 Conclusion	备注 Remarks				
38.3.4.1 T.1	高度模拟 Altitude simulation	通过 Pass					
38.3.4.2	温度试验	通过					
T.2	Thermal test	Pass					
38.3.4.3	振动	通过					
T.3	Vibration	Pass					
38.3.4.4	冲击 Shock	通过 Pass					
T.4 38.3.4.5							
T.5	外部短路 External Short- circuit	通过 Pass					
38.3.4.6	☑撞击 Impact □挤压 Crush	通过 Pass	18650 电芯 18650 Cell				
T.6		1 055	10030 Cell				
38.3.4.7	过度充电	通过 Poss					
T.7	Overcharge	Pass					
38.3.4.8	强制放电	通过					
T.8	Forced discharge	Pass					

备注 Remark:

测试样品状态代码.Testing sample condition code:

- ① 1 次循环之后完全充电.1 cycle fully charged.; ②25 次循环之后完全充电.25 cycle fully charged.;
- ③ 1 次循环之后完全放电.1 cycle fully discharged.; ④25 次循环之后完全放电.25 cycle fully discharged.;
- ⑤ 1 次循环之后充电 50%.1 cycle 50% charged.; ⑥25 次循环之后充电 50%.25cycle 50% charged.;

结论 Test Conclusion

经测试,该样品符合标准要求。

After testing, the sample meets the standard requirements.

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事献玉

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T.1 高度模拟 Altitude Simulation

将电芯和电池在温度为20±5°C、大气压力不大于11.6kpa的环境中贮存不少于6h。

Test cells and batteries shall be stored at a pressure of 11.6 kPa or less for at least six hours at ambient temperature (20±5°C)

接受准则Acceptance criteria:

无漏液、无泄气、无分解、无破裂以及无着火现象;电芯或电池测试后的开路电压不低于测试前开路电压的90%。

No leakage, no venting, no disassembly, no rupture and no fire and if the open circuit voltage of each test cell or battery after testing is not less than 90% of its voltage immediately prior to this procedure.

	质量(g)Weigl		Weight	质量损失%	电压(V)Voltage		残余电压%	
样品编号 Sample No.	Sample Condition	测试前 Before Test	测试后 After Test	Weight Loss	测试前 Before Test	测试后 After Test	Percentage of residual Voltage	结果 Results
B01	1	581.145	581.143	0.00	20.84	20.83	99.95	A, B
B02	1	579.526	579.526	0.00	20.84	20.84	100.00	A, B
B03	1	580.917	580.915	0.00	20.84	20.83	99.95	A, B
B04	1	580.922	580.922	0.00	20.83	20.83	100.00	A, B
	-				-	-	-	
B05	2	581.144	581.142	0.00	20.83	20.82	99.95	A, B
B06	2	579.633	579.631	0.00	20.84	20.83	99.95	A, B
B07	2	580.915	580.915	0.00	20.84	20.84	100.00	A, B
B08	2	581.143	581.141	0.00	20.83	20.82	99.95	A, B

结果/Results:

A -无漏液、无泄气、无分解、无破裂、无着火。No leakage, No venting, No disassembly, No rupture, No fire

B -测试后电压不低于测试前电压的90%。Voltage of each test cell or battery after testing is not less than 90% of its voltage immediately prior to this procedure.

C-其它。Others (please explain).

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T.2 温度试验 Thermal test

首先将样品放在72±2°C的环境中放置至少6个小时,然后放在-40±2°C的环境中放置至少6个小时。温度转换的最大间隔时间为30分钟。如此循环10次,最后将样品放在20±5°C的环境中静置24小时。

Test cells and batteries are to be stored for at least six hours at a test temperature equal to 72±2°C, followed by storage for at least six hours at a test temperature equal to -40±2°C. The maximum time interval between test temperature extremes is 30 minutes. This procedure is to be repeated 10 times, after which all test cells and batteries are to be stored for 24 hours at ambient temperature (20±5°C).

对于大电芯,在高温和低温中放置的时间最少12个小时。

For large cells and batteries, The duration of exposure to the test temperature extremes should be at least 12 hours.

接受准则 Acceptance criteria:

无漏液、无泄气、无分解、无破裂以及无着火现象;电芯或电池测试后的开路电压不低于测试前开路电压的**90%**。

No leakage, no venting, no disassembly, no rupture and no fire and if the open circuit voltage of each test cell or battery after testing is not less than 90% of its voltage immediately prior to this procedure.

	样品状态	质量(g)	Weight	质量损失%	电压(V)\	/oltage	残余电压%	
样品编号 Sample No.	Sample Condition	测试前 Before Test	测试后 After Test	灰重妖人が Weight Loss	测试前 Before Test	测试后 After Test	Percentage of residual Voltage	结果 Results
B01	1)	581.143	581.011	0.02	20.83	20.63	99.04	A, B
B02	1	579.526	579.395	0.02	20.84	20.64	99.04	A, B
B03	1	580.915	580.781	0.02	20.83	20.63	99.04	A, B
B04	1	580.922	580.785	0.02	20.83	20.62	98.99	A, B
B05	2	581.142	581.015	0.02	20.82	20.61	98.99	A, B
B06	2	579.631	579.495	0.02	20.83	20.63	99.04	A, B
B07	2	580.915	580.793	0.02	20.84	20.64	99.04	A, B
B08	2	581.141	581.015	0.02	20.82	20.62	99.04	A, B
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结果/Results:

A -无漏液、无泄气、无分解、无破裂、无着火。No leakage, No venting, No disassembly, No rupture, No fire.

B -测试后电压不低于测试前电压的90%。Voltage of each test cell or battery after testing is not less than 90% of its voltage immediately prior to this procedure.

C-其它。 Others (please explain).

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T.3 振动 Vibration

样品必须牢固地安装在振动台台面上。振动以正弦波形式,从7Hz增加至200Hz, 然后减少回到7Hz为一个循环,一个循环持续15分 钟。对样品从三个互相垂直的方向上各进行3个小时12次的测试。每个振动方向必须是相互垂直的极性平面/Cells and batteries are firmly secured to the platform of the vibration machine without distorting the cells in such a manner as to faithfully transmit the vibration. The vibration shall be a sinusoidal waveform with a logarithmic sweep between 7 Hz and 200 Hz and back to 7 Hz traversed in 15 minutes. This cycle shall be repeated 12 times for a total of 3 hours for each of three mutually perpendicular mounting positions of the cell. One of the directions of vibration must be perpendicular to the terminal face. 对于电芯和小电池For cells and small batteries:

对数扫频为:从7Hz开始保持1gn的最大加速度直到频率为18Hz,然后将振幅保持在0.8mm (总偏移1.6mm)并增加频率直到最大加速度达到8gn (频率约为50Hz),将最大加速度保持在8gn直到频率增加到200 Hz.

From 7 Hz a peak acceleration of 1 gn is maintained until 18 Hz is reached. The amplitude is then maintained at 0.8 mm (1.6 mm total excursion) and the frequency increased until a peak acceleration of 8 gn occurs (approximately 50 Hz). A peak acceleration of 8 gn is then maintained until the frequency is increased to 200 Hz.

对于大电池For large batteries:

对数扫频为:从7Hz开始保持1gn的最大加速度直到频率为18Hz,然后将振幅保持在0.8mm (总偏移1.6 mm)并增加频率直到最大加速度达到2gn (频率约为25Hz),将最大加速度保持在2gn直到频率增加到200Hz。

From 7 Hz to a peak acceleration of 1 gn is maintained until 18 Hz is reached. The amplitude is then maintained at 0.8 mm (1.6 mm total excursion) and the frequency increased until a peak acceleration of 2 gn occurs (approximately 25 Hz). A peak acceleration of 2 gn is then maintained until the frequency is increased to 200 Hz.

接受准则Acceptance criteria:

无漏液、无泄气、无分解、无破裂以及无着火现象;电芯或电池测试后的开路电压不低于测试前开路电压的**90%**。

No leakage, no venting, no disassembly, no rupture and no fire and if the open circuit voltage of each test cell or battery after testing is not less than 90% of its voltage immediately prior to this procedure.

	样品状态	质量(g)	Weight	质量损失%	电压(V)\	/oltage	残余电压%	
样品编号 Sample No.	Sample Condition	测试前 Before Test	测试后 After Test	Weight Loss	测试前 Before Test	测试后 After Test	Percentage of residual Voltage	结果 Results
B01	1	581.011	581.007	0.00	20.63	20.62	99.95	A, B
B02	1	579.395	579.391	0.00	20.64	20.63	99.95	A, B
B03	1	580.781	580.778	0.00	20.63	20.62	99.95	A, B
B04	1	580.785	580.781	0.00	20.62	20.61	99.95	A, B
	-				%	- N	% % <u></u> 8 %	7
B05	2	581.015	581.011	0.00	20.61	20.60	99.95	A, B
B06	2	579.495	579.491	0.00	20.63	20.62	99.95	A, B
B07	2	580.793	580.788	0.00	20.64	20.63	99.95	A, B
B08	2	581.015	581.011	0.00	20.62	20.61	99.95	A, B
					Constant of the last			

结果/Results:

A -无漏液、无泄气、无分解、无破裂、无着火。No leakage, No venting, No disassembly, No rupture, No fire

B -测试后电压不低于测试前电压的90%。Voltage of each test cell or battery after testing is not less than 90% of its voltage immediately prior to this procedure.

C-其它。Others (please explain).

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T.4 冲击 Shock

以稳固的托架固定住每个电池/电芯样品,每个样品应该经受峰值加速度为150gn以及脉冲持续时间为6ms的半正弦冲击,另外,大型电池/电芯应该经受峰值加速度为50gn以及脉冲持续时间为11ms的半正弦冲击.每一个电池将受到一个半正弦冲击的峰值加速度取决于电池的质量。对于小型电池,脉冲持续时间为6毫秒,对于大型电池,脉冲时间为11毫秒。下面提供的公式用来计算适当的最小峰值加速度。

Test cells and batteries shall be secured to the testing machine by means of a rigid mount which will support all mounting surfaces of each test battery. Each cell shall be subjected to a half-sine shock of peak acceleration of 150 gn and pulse duration of 6 milliseconds. Alternatively, large cells may be subjected to a half-sine shock of peak acceleration of 50 gn and pulse duration of 11 milliseconds. Each battery shall be subjected to a half-sine shock of peak acceleration depending on the mass of the battery. The pulse duration shall be 6 milliseconds for small batteries and 11 milliseconds for large batteries. The formulas below are provided to calculate the appropriate minimum peak accelerations.

Battery	Minimum peak acceleration	Pulse duration
Small batteries	150 g ₀ or result of formula $Acceleration(g_n) = \sqrt{\frac{100850}{mass^n}}$	6 ms
	whichever is smaller 50 g ₀ or result of formula	
Large batteries	$Acceleration(g_*) = \sqrt{\left(\frac{30000}{mass^*}\right)}$	11 ms
	whichever is smaller	

a Mass is expressed in kilograms

每个测试样品须在三个互相垂直的电池安装方位的正方向经受三次冲击,接着在反方向经受三次冲击,总共经受**18**次冲击。

Each sample was subjected to three shocks in the positive direction followed by three shocks in the negative direction of three mutually perpendicular mounting positions of the cell for a total of 18 shocks.

接受准则Acceptance criteria:

无漏液、无泄气、无分解、无破裂以及无着火现象;电芯或电池测试后的开路电压不低于测试前开路电压的**90%**。

No leakage, no venting, no disassembly, no rupture and no fire and if the open circuit voltage of each test cell or battery after testing is not less than 90% of its voltage immediately prior to this procedure.

	_{米口:0} 口 样品状态		质量(g)Weight		质量损失% 电压(V)Vol		残余电压%	
样品编号 Sample No.	Sample Condition	测试前 Before Test	测试后 After Test	灰重版人が Weight Loss	测试前 Before Test	测试后 After Test	Percentage of residual Voltage	结果 Results
B01	1)	581.007	581.006	0.00	20.62	20.61	99.95	A, B
B02	1)	579.391	579.391	0.00	20.63	20.63	100.00	A, B
B03	1)	580.778	580.778	0.00	20.62	20.62	100.00	A, B
B04	1	580.781	580.781	0.00	20.61	20.61	100.00	A, B
				14	4,			4 1
B05	2	581.011	581.011	0.00	20.60	20.60	100.00	A, B
B06	2	579.491	579.490	0.00	20.62	20.61	99.95	A, B
B07	2	580.788	580.787	0.00	20.63	20.62	99.95	A, B
B08	2	581.011	581.011	0.00	20.61	20.61	100.00	A, B
					*******	The state of the s	- -	

结果/Results:

A -无漏液、无泄气、无分解、无破裂、无着火。 No leakage, No venting, No disassembly, No rupture, No fire.

B -测试后电压不低于测试前电压的90%。Voltage of each test cell or battery after testing is not less than 90% of its voltage immediately prior to this procedure.

C-其它。Others (please explain).

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T.5 外部短路 External short circuit

为使样品达到均匀稳定的初始温度: 57 ± 4°C,样品需在此环境下暴露一段时间。

The samples were shall be heated for a period of time noted below, to reach a homogeneous stabilized temperature of 57 ± 4 °C, measured on the external case:

☑小电芯和小电池至少暴露6小时。Small cells and small batteries: 6 hours.

□大电芯和大电池至少暴露12小时。Large cells and large batteries: 12 hours.

□ _____小时,根据样品尺寸设计评估所得。_____hours, assessed depended on the size and design of the sample.

然后将样品正负极用小于0.1欧姆的总电阻回路进行短路,直到:

The samples were then subjected to a short circuit condition with a total external resistance of less than 0.1 ohm, until:

小电芯, 小电池和大电芯For Small cells, small batteries and large cells:

样品外表温度恢复到57 ± 4°C之后保持短路状态1小时以上。

1 hour after the external case temperature of sample has returned to $57 \pm 4^{\circ}$ C.

大电池For Large batteries:

样品表面温度下降所测最大温升的一半,并保持低于该数值。

After the external case temperature of sample has decreased by half of the maximum temperature increase observed during the test and remains below that value.

接受准则Acceptance criteria:

电池表面温度不超过170°C,测试中和结束后6h内观察样品无分解、无破裂、无着火现象发生。

The external temperature does not exceed 170°C, and there is no disassembly, no rupture and no fire during the test and within six hours after the test.

	1	7	,	
样品编号 Sample No.	样品状态 Sample Condition	测试前电压 (V)Voltage Before Test	最高温度(°C) Maximum Temperature	结果 Results
B01	1)	20.61	57.8	A, B
B02	1)	20.63	57.7	A, B
B03	1)	20.62	57.4	A, B
B04	1)	20.61	57.5	A, B
			2	
B05	2	20.61	57.9	A, B
B06	2	20.61	58.0	A, B
B07	2	20.62	57.9	A, B
B08	2	20.61	57.7	A, B
			1 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	

结果 Results/:

- A -测试中和结束后6h内观察样品无分解、无破裂、无着火现象发生No disassembly, No rupture, No fire during the test and within six hours after the test...。
 - B 电池表面温度未超过170°C。The external temperature does not exceed 170°C.
 - C-其它。Others (please explain).

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T.6 撞击 Impact /挤压 Crush

☑撞击Impact (适用于直径大于或等于18mm的圆柱形电芯Applicable to cylindrical cells greater than or equal to 18 mm in diameter)

将样品放在一个平坦的光滑平面上。将一直径为15.8 mm±0.1mm.长度不小于6cm的316不锈钢棒横过样品中部放置后,将一质量为9.1 kg±0.1 kg的重物从61±2.5 cm的高度落向样品。The sample cell or component cell is to be placed on a flat smooth surface. A 15.8 mm±0.1mm diameter, at least 6 cm long, or the longest dimension of the cell, whichever is greater, Type 316 stainless steel bar is to be placed across the centre of the sample. A 9.1 kg±0.1 kg mass is to be dropped from a height of 61±2.5 cm at the intersection of the bar and sample in a controlled manner using a near frictionless, vertical sliding track or channel with minimal drag on the falling mass. The vertical track or channel used to guide the falling mass shall be oriented 90 degrees from the horizontal supporting surface.

接受撞击的样品,纵轴应与平坦的表面平行并与横放在样品中心的直径15.8 mm±0.1mm弯曲表面的纵轴垂直。每一个样品只接受一次撞击。The test sample is to be impacted with its longitudinal axis parallel to the flat surface and perpendicular to the longitudinal axis of the 15.8 mm±0.1mm diameter curved surface lying across the centre of the test sample. Each sample is to be subjected to only a single impact.

☑挤压Crush (适用于棱柱形、袋状、硬币/纽扣电芯和直径不超过18mm的圆柱形电芯Applicable to prismatic, pouch, coin/button cells and cylindrical cells not more than 18 mm in diameter)

将样品放在两个平面之间挤压,挤压力度逐渐加大,在第一个接触点上的速度大约为1.5cm/s。挤压持续进行,直到出现以下三种情况之一: A cell or component cell is to be crushed between two flat surfaces. The crushing is to be gradual with a speed of approximately 1.5 cm/s at the first point of contact. The crushing is to be continued until the first of the three options below is reached.:

- (a) 施加力达到13kN±0.78kN/The applied force reaches 13kN±0.78kN;
- (b) 样品的电压下降至少100mV/The voltage of the cell drops by at least 100 mV;

每个样品都是全新样品,并且只经受一次施压。施压结束后样品应静置观察6小时。Each test cell or component cell is to be subjected to one crush only. The test sample shall be observed for a further 6 h. The test shall be conducted using test cells or component cells that have not previously been subjected to other tests.

接受准则Acceptance criteria

电池表面温度不超过170℃,测试中和结束后6h内观察样品无分解、无破裂、无着火现象发生。

The external temperature does not exceed 170°C, and there is no disassembly, no rupture and no fire during the test and within six hours after the test.

样品编号	样品状态	测试前电压 (V)	最高温度(℃)	结果
Sample No.	Sample Condition	Voltage Before Test	Maximum Temperature	Results
C01	5	3.893	144.3	A, B
C02	5	3.892	140.7	A, B
C03	5	3.893	143.1	A, B
C04	5	3.892	132.8	A, B
C05	5	3.892	143.4	A, B
C06	6	3.892	142.6	A, B
C07	6	3.893	132.8	A, B
C08	6	3.893	139.4	A, B
C09	6	3.892	128.6	A, B
C10	6	3.893	142.4	A, B

结果/Results:

- A -测试中和结束后6h内观察样品无分解、无破裂、无着火现象发生。No disassembly, No rupture, No fire during the test and within six hours after the test.
 - B 电池表面温度未超过170°C。The external temperature does not exceed 170°C.
 - C 其它。Others (please explain).

验检



T.7 过度充电(电芯不适用本项测试) Overcharge

在室温下,以 2 倍的制造商宣称的最大持续充电电流对样品充电,测试时间为 24 小时。测试的最小电压如下:

The charge current shall be twice the manufacturer's recommended maximum continuous charge current. Tests are to be conducted at ambient temperature. The duration of the test shall be 24 hours. The minimum voltage of the test shall be as follows:

- (a) 如果制造商宣称的充电电压不超过 18V,本测试的最小充电电压应是制造商宣称的最大充电电压的两倍或者是 22V 之中的较小者。/ When the manufacturer's recommended charge voltage is not more than 18V, the minimum voltage of the test shall be the lesser of two times the maximum charge voltage of the battery or 22V.
- (b) 如果制造商宣称的充电电压超过 18V,本测试的最小充电电压应该是制造商宣称的最大充电电压的 1.2 倍。/When the manufacturer's recommended charge voltage is more than 18V, the minimum voltage of the test shall be 1.2 times the maximum charge voltage.

测试在环境温度下进行,试验持续24小时。

Tests were conducted at ambient temperature 20 ± 5°C. The duration of the test was 24 hours.

接受准则 Acceptance criteria:

测试中和结束后7天内观察样品无解体、无起火现象发生。

Rechargeable batteries meet this requirement if there is no disassembly and no fire during the test and within seven days after the test.

样品编号 Sample No.	样品状态 Condition	测试前电压(V) Voltage of Before Test	过充电流(mA) Overcharge current	Overcharge voltage 过充电压(V)	结果 Results
B09	1	20.84			А
B10	1	20.83			Α
B11	1	20.84			Α
B12	1	20.84	2000	25.2	Α
B13	2	20.83	2000	25.2	Α
B14	2	20.83			Α
B15	2	20.84		4 1 1	Α
B16	2	20.84	3		Α

结果/Results:

A -测试中和结束后 7 天内观察样品无解体、无起火现象发生。No disassembly and no fire during the test and within seven days after the test.

B -其它。Others (please explain).







T.8 强制放电 Forced Discharge

在室温下,将单个电芯连接在12V的直流电源上进行强制放电,此直流电源供给每个电芯初始电流为制造商 宣称的最大放电电流。

Each cell shall be forced discharged at ambient temperature by connecting it in series with a 12V D.C. power supply at an initial current equal to the maximum discharge current specified by the manufacturer.

指定的放电电流通过串联在测试电芯上的合适大小和功率的负载来获得,每个电芯的强制放电时间(小时)为额定容量除以初始电流(安培)。

The specified discharge current is to be obtained by connecting a resistive load of the appropriate size and rating in series with the test cell. Each cell shall be forced discharged for a time interval (in hours) equal to its rated capacity divided by the initial test current (in ampere).

接受准则Acceptance criteria:

测试中和结束后7天内观察样品无解体、无起火现象发生。

Rechargeable batteries meet this requirement if there is no disassembly and no fire during the test and within seven days after the test.

样品编号	样品状态	初始放电电流(mA)	测试前电压(V)	结果
Sample No.	Condition	Initial Discharge Current	Voltage Before Test	Results
C11	3		3.311	A
C12	3		3.326	A
C13	3		3.295	A
C14	3		3.319	A
C15	3		3.325	A
C16	3		3.297	A
C17	3		3.321	А
C18	3		3.318	А
C19	3		3.296	А
C20	3		3.325	Α
C21	4	6000	3.316	Α
C22	4		3.318	Α
C23	4		3.325	Α
C24	4		3.316	Α
C25	4		3.318	Α
C26	4	74	3.296	Α
C27	4	700	3.299	Α
C28	4	FG2 42	3.324	Α
C29	4	The state of the s	3.316	Α
C30	4	(1005)	3.322	Α

结果/Results:

A -测试中和结束后7天内观察样品无解体、无起火现象发生。No disassembly and no fire during the test and within seven days after the test.

B-其它。 Others (please explain).

章。

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测试样品照片 Test Sample





西水山

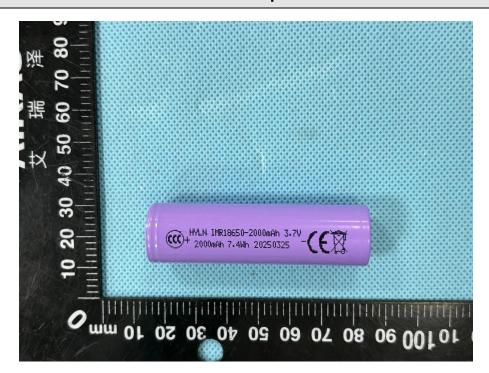
编号/No.: BCTC/RF-BAT-006 页码/Page 12 of 16

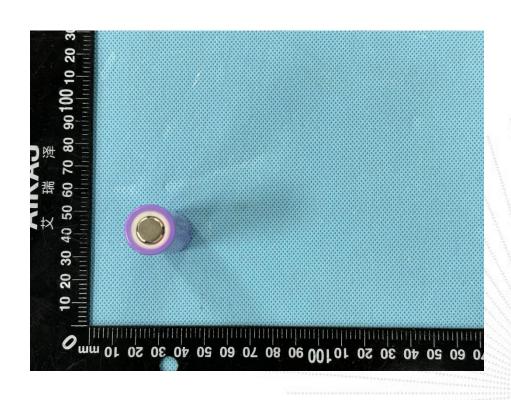


BCTC 倍测检测

报告编号Report No.: BCTC2504177071B

测试样品照片 **Test Sample**





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标签

Label

型号: IMR 18650

2000mAh 3.7V

容量: 4000mAh

电压: 1,8.5V

功率: 74Wh

刺林



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设备清单 Equipment List

序号No.	名 称Name	型 号Model	设备编号Series No.
1	电池低压高空模拟试验机 Altitude Simulation Tester	GX-3020-Z	BCTC-BAT-006
2	可程式恒温恒湿试验箱 Temp & Humi. Chamber	BTKS5-150C	BCTC-BAT-009
3	电磁式振动试验机 Electromagnetic Vibration Tester	EV2010H0606	BCTC-BAT-065
4	冲击试验机 Shock Tester	SKT100	BCTC-BAT-066
5	温控型短路试验机 Thermal Control Short Tester	GX-6055-B5	BCTC-BAT-015
6	交流内阻测试仪 Ac internal resistance tester	AT526	BCTC-BAT-024
7	电子天平 Electric Scale	JJ1523BC	BCTC-BAT-034
8	多路温度测试仪 Multichannel temperature tester	AT4516	BCTC-BAT-036
9	多路温度测试仪 Multichannel temperature tester	AT4516	BCTC-BAT-038
10	电池冲击试验机 Battery Impact Tester	BE-5066	BCTC-BAT-020
11	充放电设备 Charging and Discharge Tester	CE-6008n-100V60A-H	BCTC-BAT-072
12	电子负载 direct-current load	IT8512A+	BCTC-BAT-039
13	DC直流电源 DC direct-current	IT6502D	BCTC-BAT-042
14	数字万用表 Digital Multimeter	UT139C	BCTC-BAT-044
15	电子负载 direct-current load	IT8512A+	BCTC-BAT-040
16	DC直流电源 DC direct-current	IT6502D	BCTC-BAT-043

注: 以上仪器设备均在计量校准周期内。

Remark: The above equipment are within the calibration cycle.

道测力





声明

STATEMENT

1. 本次检测所用的测量设备的量值均可以溯源到国家计量标准。

The equipment lists are traceable to the national reference standards.

2. 检测报告未经本实验室书面批准,不得部分复制。

The test report can not be partially copied unless prior written approval is issued from our lab.

3. 检测报告未加盖"检验检测专用章"无效。

The test report is invalid without the "special seal for inspection and testing".

4. 检测报告无批准人员签字无效。

The test report is invalid without the signature of the approver.

5. 本次检测的结果仅对所检测样品有效。

The test process and test result is only related to the Unit Under Test.

6. 样品的相关信息由委托单位提供,实验室不对其真实性负责。

Sample information is provided by the client and the laboratory is not responsible for its authenticity.

7. 无 CMA 标志的检测报告,仅供科研、教学、企业产品研发及内部质量控制目的用。

The test report without CMA mark is only used for scientific research, teaching, enterprise product development and internal quality control purposes.

8. 本实验室的质量体系符合 ISO/IEC17025 标准的要求。

The quality system of our laboratory is in accordance with ISO/IEC17025.

9. 如对本检测报告有异议,可在收到检测报告后15天内向本单位申诉,逾期不予受理。

If there is any objection to this test report, the client should inform issuing laboratory within 15 days from the date of receiving test report.

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****** 结束 ******

**** END ****

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