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Website: www.iqtc.cn Postcode: 510623 No: 01052100001801-1(E)

Date: 2021-04-06 Page:

UN38.3 报告 **UN38.3 Test Report**

样品名称: 锂离子电池

Sample Name: Li-ion Battery

委托单位: 湖北亿纬动力有限公司

Applicant: EVE POWER CO., LTD



7P7T17H8FD



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检测证书

TEST REPORT

		O		
样品名称 Sample Name	锂离子电池 Li-ion Battery	JETONE ZHOUC	CHARCE	
型号 Model	LF280K	CUATA	, chil	101C
委托单位 Applicant	湖北亿纬动力有限公司 EVE POWER CO., LTD	ille est child	s, High De	OLC, LECHINA
委托单位地址 Applicant Address	荆门高新区·掇刀区荆南大道 NO.68, Jingnan Avenue, Hi-tech		ingmen, Hubei	en che
生产单位 Manufacture	湖北亿纬动力有限公司 EVE POWER CO., LTD	STRIC	THOTORS	GUANGZHO
生产单位地址 Manufacture Address	荆门高新区·掇刀区荆南大道 NO.68, Jingnan Avenue, Hi-tech		ingmen, Hubei	CELTIFE
样品外观与性状 Appearance & Odor	蓝色方形外壳 Blue square shell	CUP LEST	and of the state o	THOTOGY
测试方法和判定标准 Test method and criterion	联合国《关于危险货物运输的3 UNITED NATIONS" Recomm Manual of Tests and Criteria ST/S	endations on the TRAN	SPORT OF DANGER	
接样时间 Accepted date	2021-01-06	测试日期 Test date	2021-01-07~20	021-01-28
测试项目 Test items	高度模拟、温度试验、振动、 Altitude simulation, Thermal test, discharge.			Forced
结论 Conclusion	经测试,该样品符合联合 ST/SG/AC.10/11/Rev.7, 38.3 标 The sample has passed the TRANSPORT OF DANGE ST/SG/AC.10/11/Rev.7, 38.3.	作要求。 test items of UNITED	NATIONS Recomple	
备注 Remark	1.本报告与 01052100000142-1() 合要求的变化; The differences between this rep samples are only change in mode 2.随附 UN38.3 试验概要(编号 Attached with UN38.3 test sun	ort and the 0105210000 l, and there is no change : 01052100001801-2(E	<mark>检验检测专</mark> 142-1 (E) report and as that would lead to fail u ())。	用章 follows: 1) The
业业	中校		→ 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	

批准
Approver: PA Checker: 外初吃

Appraiser:

饱风证

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电池信息:

The battery information:

电池类型 Battery type	锂离子电池 Lithium ion batteries	标称电压 Nominal Voltage	3.2V
额定容量 Rated Capacity	280Ah	总能量 Total Energy	896Wh
充电限制电压 Limited Charge Voltage	3.65V	标准充电电流 Standard Charge Current	140A
最大充电电流 Maximum Charge Current	280A	充电截止电流 Charge Cut-off Current	14A
标准放电电流 Standard discharge Current	140A	最大放电电流 Maximum Discharge Current	280A
放电截止电压 Discharge Cut-off Voltage	2.5V	物理形状说明 Physical description	长方体 Cuboid
重量 Mass	5440g	电芯生产单位 Manufacturer of cell	湖北亿纬动力有限公司 EVE POWER CO., LTD

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	12	0	(C)	100		
序号 No.	测试项目名称 Name of test	Stand requirement o	戈标准条款号 or the clause number of ndard	测试结果 Test result	本项结论 Test conclusion	备注 Remark
NCT THE	高度模拟 Altitude simulation	验和标准手册》UN	货物运输的建议书 试 Manual of Tests and 10/11/Rev.7, 38.3 试验	见附表 1 See Appendix 1	合格 Passed	/
2	温度试验 Thermal test	验和标准手册》UN	货物运输的建议书 试 N Manual of Tests and 10/11/Rev.7, 38.3 试验	见附表 2 See Appendix 2	合格 Passed	KECHINA
3	振动 Vibration	验和标准手册》UN	货物运输的建议书 试 Manual of Tests and 10/11/Rev.7, 38.3 试验	见附表 3 See Appendix 3	合格 Passed	GH 60°C
4	冲击 Shock	验和标准手册》UN	货物运输的建议书 试 N Manual of Tests and 10/11/Rev.7, 38.3 试验	见附表 4 See Appendix 4	合格 Passed	/
5	外部短路 External short circuit	验和标准手册》UN	货物运输的建议书 试 Manual of Tests and 10/11/Rev.7, 38.3 试验	见附表 5 See Appendix 5	合格 Passed	oct,
6	撞击 Impact	验和标准手册》UN	货物运输的建议书 试N Manual of Tests and 10/11/Rev.7, 38.3 试验	见附表 6 See Appendix 6	合格 Passed	550/508
7	过度充电 Overcharge	验和标准手册》UN	货物运输的建议书 试 N Manual of Tests and 10/11/Rev.7, 38.3 试验	见附表 7 See Appendix 7	不适用 Not applicable	/
8	强制放电 Forced discharge	验和标准手册》UN	货物运输的建议书 试 N Manual of Tests and 10/11/Rev.7, 38.3 试验	见附表 8 See Appendix 8	合格 Passed	8 /
Te	测试环境 est environment condition	Ambie	环境温度:20℃-25℃ nt temperature: 20℃-25			A PRIOR ARE
CUR	八台测计库扣	测试项目 Test items	3010GT	JHRU 1 FRE	TONE O	8
	分包测试情况 bcontracted test condition	分包实验室 Subcontracted Laboratory	名称 Name 地址 Address	1 USCUETONES US	邮编 Post code 电话 Tel	JACAN J

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序号 No.		附表 1 pendix 1	Set The	测试项目名称 Name of test		高度模 Altitude sin	
标准要求 Requirement of Standard	电池组应无重组在试验后的 池组除外)。 Test cells and temperature 2 no venting, n battery after	电池组在压力等重量损失、无效的开路电压不少 batteries shall c0 ± 5°C. Cells o disassembly, testing is not relating to voltage	多漏、无排气。 >于其在进行主 be stored at a s and batteries no rupture and less than 90%	、无解体、无 这一试验前电应 pressure of 11. meet this requ I no fire and if of its voltage	破裂和无燃烧, 玉的 90%(完 6 kPa or less fo irement if there the open circular immediately	,并且每个试算 全放电状态的 r at least six ho e is no mass los it voltage of ea prior to this p	脸电池或电池 试验电池或电 urs at ambient ss, no leakage, ach test cell or rocedure. The
样品状态 Sample status	C1#~C5#: f C6#~C10#:	有一个循环完全 first cycle in ful 第二十五个循 after 25 cycles	ly charged stat 环完全充电的	es. 电池。	, EDETHIC	J CUSTOME V	"CTHOICHE
样品编号 Sample No.	测试前 电池质量 m _I (g)	Before 开路电压 v ₁ (v)	测试后 电池质量 m ₂ (g)	舌 After 开路电压 v ₂ (v)	质量损失 Mass loss (%)	剩余电压 Residual OCV(%)	测试结果 Test result
C1#	5490.5	3.37	5490.3	3.35	0.00	99.41	0
C2#	5492.6	3.38	5492.5	3.37	0.00	99.70	0
C3#	5491.7	3.36	5491.7	3.35	0.00	99.70	0
C4#	5493.3	3.34	5493.2	3.32	0.00	99.40	0
C5#	5490.8	3.38	5490.8	3.37	0.00	99.70	0
C6#	5491.6	3.36	5491.6	3.35	0.00	99.70	0
C7#	5492.3	3.39	5492.3	3.38	0.00	99.71	0
C8#	5491.8	3.40	5491.7	3.38	0.00	99.41	0
C9#	5493.6	3.37	5493.5	3.35	0.00	99.41	0
C10#	5492.5	3.36	5492.5	3.34	0.00	99.40	0

Rupture & No Fire.

Note: L-Leakage, V-Venting, D-Disassembly, R-Rupture, F-Fire, O- No Leakage, No Venting, No Disassembly, No

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测试项目名称

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温度试验

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11, 4		M 1X 2		州风火口石水	1,	/ / / / / / / / / / / / / / / / / / /	1177
No.	Ap	pendix 2	70.	Name of test	-175	Thermal	test
标准要求 Requirement of Standard	存放至少 6h间的最大时间放 24h。试验电池态的试验电池态的试验电池态的试验电池。 Test cells and followed by sinterval betwafter which a For large cell 12 hours. Cedisassembly, testing is not	(大型电池或间间隔为 30min de电池或电池组在试验或电池组在试验地或电池组除外d batteries are the storage for at least temper and batteries and batteries no rupture and less than 90% of	电池组暴露于原。重复 10 次, 同。重复 10 次, 同应无重量损失 合后的开路电压 小)。 o be stored for ast six hours at rature extremes batteries are to the duration of meet this requi I no fire and if of its voltage in	w端试验温度,再将所有试验温度、无渗漏、无 E不少于其在的 at least six ho a test temperate is 30 minutes be stored for 2 exposure to the irement if ther the open circ mediately price	by 6h,接着在的时间至少为验电池或电池线排气、无解体进行这一试验的证据 at a test tenture equal to -4 to This procedure is no mass lost tenture of the country of the procedure of the country of the procedure o	12h)。两个极强 租在环境温度 2 、无破裂和无约 有电压的 90% nperature equal 0 ± 2 °C. The re re is to be repe ient temperature re extremes sho ss, no leakage, is each test cell o lure. The requir	端试验温度之 20 °C±5°C下有燃烧,并且每 (完全放电》 to 72 ± 2 °C maximum time ated 10 times e $(20 \pm 5$ °C.) ould be at leas no venting, nor battery afte
样品状态 Sample status	C1#~C5#: 5 C1#~C5#: C6#~C10#:	not applicable to 第一个循环完全 first cycle in ful 第二十五个循 after 25 cycles	è充电的电池; lly charged state 环完全充电的	es. 电池。	ly discharged st	ates.	er cerui
样品编号	测试前 Before 测试后		f After	质量损失	剩余电压	测试结果	
Sample No.	电池质量 m _l (g)	开路电压 v _l (v)	电池质量 m ₂ (g)	开路电压 V ₂ (v)	Mass loss (%)	Residual OCV(%)	Test result
C1#	5490.3	3.35	5490.3	3.33	0.00	99.40	0
C2#	5492.5	3.37	5492.3	3.35	0.00	99.41	o o
C3#	5491.7	3.35	5491.6	3.33	0.00	99.40	О
C4#	5493.2	3.32	5493.2	3.31	0.00	99.70	0
C5#	5490.8	3.37	5490.6	3.35	0.00	99.41	O
C6#	5491.6	3.35	5491.5	3.33	0.00	99.40	0
C7#	5492.3	3.38	5492.2	3.35	0.00	99.11	O
C8#	5491.7	3.38	5491.5	3.36	0.00	99.41	0 O
C9#	5493.5	3.35	5493.5	3.33	0.00	99.40	0
C10#	5492.5	3.34	5492.4	3.33	0.00	99.70	O
V = W H	111	47111.7	1 - 1- 1 S	- T W H -	T 111 4 T 47	リーエー! おl	T 1- 1

Rupture & No Fire.

注:L-泄漏; V-排气; D-解体; R-破裂; F-起火; O-无泄漏、无排气、 无解体、无破裂、无起火。

Note: L-Leakage, V-Venting, D-Disassembly, R-Rupture, F-Fire, O- No Leakage, No Venting, No Disassembly, No

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序号 No.		附表 3 opendix 3		测试项目名称 Name of test		振 <i>动</i> Vibrati	
标准要求 Requirement of Standard	之间摆动再 重复进行 12 破裂和无燃; 压的 90% (Cells and bat cells in such waveform w minutes. Thi perpendicular to the termin venting, no of battery after	他组直接安装或 回到 7Hz 的对 次,一共振动 烧,并且每个证 完全放电状态 tteries are firmly a manner as ith a logarithm s cycle shall b r mounting posi al face. Cells ar disassembly, no testing is not relating to voltage	数扫频 15min 3h。试验电池式验电池或电池或电池或电池或 y secured to the to faithfully tric sweep betwee repeated 12 tions of the cend batteries medorupture and reless than 90%	,对三个互相 或电池组应无 电组在试验后 电池组除外)。 and platform of the cansmit the vibused 7 Hz and times for a to the constant of the constant times for a to the constant of the constant of its voltage	垂直的电池或 重量损失、无 的开路电压不 the vibration moration. The vib 200 Hz and botal of 3 hours directions of vibrance if there is the open circuit immediately	电池组安装方 渗漏、无排气 少于其在进行。 machine without bration shall be pack to 7 Hz to s for each of to pration must be no mass loss, t voltage of ea prior to this p	向的每个方向 、无解体、无 这一试验前电 t distorting the e a sinusoidal raversed in 15 three mutually perpendicular no leakage, no ch test cell or rrocedure. The
样品状态 Sample status	C1#~C5#: 1 C6#~C10#:	第一个循环完全 first cycle in ful 第二十五个循 after 25 cycles	ly charged stat 环完全充电的	电池。	GUANGIA GUANGIA		o de la companie de l
样品编号	测试前	Before	测试后	After	质量损失	剩余电压	测试结果
Sample No.	电池质量 m _l (g)	开路电压 V ₁ (v)	电池质量 m ₂ (g)	开路电压 v ₂ (v)	Mass loss (%)	Residual OCV(%)	Test result
C1#	5490.3	3.33	5490.3	3.32	0.00	99.70	O
C2#	5492.3	3.35	5492.3	3.33	0.00	99.40	O
C3#	5491.6	3.33	5491.4	3.31	0.00	99.40	О
C4#	5493.2	3.31	5493.2	3.29	0.00	99.40	0
C5#	5490.6	3.35	5490.6	3.34	0.00	99.70	О
C6#	5491.5	3.33	5491.5	3.33	0.00	100.00	O Kon
C7#	5492.2	3.35	5492.1	3.33	0.00	99.40	0
C8#	5491.5	3.36	5491.5	3.34	0.00	99.40	О
C9#	5493.5	3.33	5493.3	3.31	0.00	99.40	O
C10#	5492.4	3.33	5492.2	3.32	0.00	99.70	O
7; * 71 H	TY LIL -	47 /11. 7	1 - 15 9	0 1 11 11 -		リー エートロ	T 12 1

注:L-泄漏; V-排气; D-解体; R-破裂; F-起火; O-无泄漏、无排气、 无解体、无破裂、无起火。 Note: L-Leakage, V-Venting, D-Disassembly, R-Rupture, F-Fire, O- No Leakage, No Venting, No Disassembly, No Rupture & No Fire.

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No.		附表 4 opendix 4	CT.	测试项目名称 Name of test		冲击 Shoc	
标准要求 Requirement of Standard	gn=√(100850 其正负极各) 解体、无破弱 试验前电压。 Test cells and support all m shock of pea milliseconds. by three shock or battery for leakage, no v cell or battery requirement	池组用坚硬支/mass)中较小学品3次,共产裂和无燃烧,类的90%(完全的batteries shall counting surface k acceleration of Each cell or backs in the negation at total of 18 shapenting, no disasty after testing is relating to vole: Mass is expression.	者的正弦波冲 中击 18次。各 并且每个试验 放电状态的试 be secured to s of each test to of 150gn or ac attery shall be ve direction of locks. Cells and ssembly, no rus s not less than ltage is not a	击,脉冲持续电试验电池或电池或电池或电池或电池或电池或电池 the testing manattery. Each succeleration (gn) subjected to the three mutually districted batteries mee prure and no fire 190% of its volt pplicable to the succession of the succe	时间 6ms,按 池组应无重量 在试验后的开始 组除外)。 whine by means mall batteries sh $0 = \sqrt{100850 / m}$ ree shocks in the perpendicular in this requirement and if the operage immediatel	三个相互垂直的损失、无渗漏路电压不少于的 sof a rigid more all be subjected ass) and pulse mounting position of there is no en circuit voltagy prior to this p	的轴向分别对 、无排气、无 其在进行这一 unt which will I to a half-sine duration of 6 ction followed ions of the cell o mass loss, no ge of each test procedure. The
样品状态 Sample status	C1#~C5#: C6#~C10#:	第一个循环完全 first cycle in ful 第二十五个循 after 25 cycles	ly charged stat 环完全充电的	电池。	GUP ^{MT}		NOE'S CENTR
样品编号 Sample No.	测试前 电池质量	Before 开路电压	测试后 电池质量	后 After 开路电压	质量损失 Mass loss	剩余电压 Residual	测试结果 Test result
Sample 110.	七池灰星	7 5 七 1	1070万年	71 24 1072	(%)	OCV(0/6)	Test Tesuit
6	$m_1(g)$	v ₁ (v)	$m_2(g)$	v ₂ (v)	(%)	OCV(%)	ONST
C1#				(4)	0.00	OCV(%)	O
60	$m_1(g)$	v ₁ (v)	$m_2(g)$	v ₂ (v)	X	200	ONST
C1#	m ₁ (g) 5490.3	v ₁ (v) 3.32	m ₂ (g) 5490.3	3.32	0.00	100.00	0
C1#	m ₁ (g) 5490.3 5492.3	v ₁ (v) 3.32 3.33	m ₂ (g) 5490.3 5492.3	3.32 3.33	0.00	100.00	0
C1# C2# C3#	m ₁ (g) 5490.3 5492.3 5491.4	v ₁ (v) 3.32 3.33 3.31	m ₂ (g) 5490.3 5492.3 5491.4	3.32 3.33 3.31	0.00 0.00 0.00	100.00 100.00 100.00	0 0
C1# C2# C3# C4#	m ₁ (g) 5490.3 5492.3 5491.4 5493.2	v ₁ (v) 3.32 3.33 3.31 3.29	m ₂ (g) 5490.3 5492.3 5491.4 5493.2	3.32 3.33 3.31 3.29	0.00 0.00 0.00 0.00	100.00 100.00 100.00	0 0 0
C1# C2# C3# C4# C5#	m ₁ (g) 5490.3 5492.3 5491.4 5493.2 5490.6	v ₁ (v) 3.32 3.33 3.31 3.29 3.34	m ₂ (g) 5490.3 5492.3 5491.4 5493.2 5490.6	3.32 3.33 3.31 3.29 3.34	0.00 0.00 0.00 0.00 0.00	100.00 100.00 100.00 100.00	0 0 0 0
C1# C2# C3# C4# C5# C6#	m ₁ (g) 5490.3 5492.3 5491.4 5493.2 5490.6 5491.5	v ₁ (v) 3.32 3.33 3.31 3.29 3.34 3.33	m ₂ (g) 5490.3 5492.3 5491.4 5493.2 5490.6 5491.5	v2(v) 3.32 3.33 3.31 3.29 3.34 3.33	0.00 0.00 0.00 0.00 0.00	100.00 100.00 100.00 100.00 100.00	0 0 0 0 0
C1# C2# C3# C4# C5# C6# C7#	m ₁ (g) 5490.3 5492.3 5491.4 5493.2 5490.6 5491.5 5492.1	v ₁ (v) 3.32 3.33 3.31 3.29 3.34 3.33 3.33	m ₂ (g) 5490.3 5492.3 5491.4 5493.2 5490.6 5491.5 5492.1	v2(v) 3.32 3.33 3.31 3.29 3.34 3.33 3.33	0.00 0.00 0.00 0.00 0.00 0.00 0.01	100.00 100.00 100.00 100.00 100.00 100.00	0 0 0 0 0

注:L-泄漏; V-排气; D-解体; R-破裂; F-起火; O-无泄漏、无排气、 无解体、无破裂、无起火。 Note: L-Leakage, V-Venting, D-Disassembly, R-Rupture, F-Fire, O- No Leakage, No Venting, No Disassembly, No Rupture & No Fire.

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序号 No.		式项目名称 me of test	外部短路 External short circuit
标准要求 Requirement of Standard	待试验电池或电池组的外壳温度稳定在 57±小于 0.1Ω 的短路条件,当电池或电池组外负再观察电池或电池组 6h 才结束试验。电池 6h 内应无解体、无破裂和无燃烧。The cell or battery to be tested shall be tempereaches 57±4℃ and then the cell or battery sharexternal resistance of less than 0.1 ohm at 57 least one hour after the cell or battery external battery must be observed for a further six hour this requirement if their external temperature drupture and no fire within six hours of this test	売温度回到 57±4℃后或电池组的外壳温度 erature stabilized so thall be subjected to a sh ±4℃. This short circu case temperature has s for the test to be con	继续至少 1h,然后短路断开,应不超过 170℃,并且试验后nat its external case temperature nort circuit condition with a tota uit condition is continued for a returned to 57±4℃. The cell outluded. Cells and batteries mee
样品状态 Sample status	C1#~C5#: 第一个循环完全充电的电池; C1#~C5#: first cycle in fully charged states. C6#~C10#: 第二十五个循环完全充电的电池 C6#~C10#: after 25 cycles ending in fully charges		STHOUCUS GUARGING
样品编号 Sample No.	样品表面最高温度 Max External Temperature(℃)	测试结果 Test result	备注 Remark
C1#	72.3	0	Ct Car
C2#	73.0	0	
C3#	72.8	0	Jeton Jeton
C4#	73.6	0	Thou !
C5#	74.1	0	CART 1
C6#	70.7	GIJAN O	
C7#	71.9	0	COST / CHE
C8#	73.8	0	High Philips
C9#	74.2	0	March 1
C10#	69.2	0	dis 1 Et

注: D-解体; R-破裂; F-起火; O-无解体、无破裂、无起火。 Note: D-Disassembly, R-Rupture, F-Fire, O-No Disassembly, No Rupture & No Fire.

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序号 No.	附表 6 Appendix	6		测试项目名称 Name of test		撞击 Impact	GUA
A. HECHMON	撞击(适用与直径不试样电池或元件电池 直径(15.8±0.1)毫光 干克的重锤从(61±	5小于 18mm 加放在平坦; 长,长度至少 2.5)厘米产	光滑的表面 > 6 厘米, 高处跌落至	》电池): 可上,一根 31 或电池最长端 训钢棒和试样	6 型不锈钢棒横放在的尺度,取二者之长交叉处。使用一个几	试样的中心 者,用一块 乎没有摩擦	(9.1±0.1 的、对落
.etholicuston	表面呈 90 度落下。 接受撞击的试样,纵 纵轴垂直,每个试样	【轴应于平5 詳只经受一?	坦表面平行 次撞击。	f并与横放在i	道或管道用于引导落 式中心的直径(15.8± 并且在试验过程中:	0.1) 毫米弯	曲表面的
标准要求	无解体、无破裂、无 Impact (applicable to	 起火。				1. 2/12/2	0
Requirement of	Test procedure – Imp					diameter) T	he sample
Standard	cell or component ce						
7 CV					greater, Type 316 stai		
00,					is to be dropped from		
					d manner using a nea		
36					mass. The vertical tr		
The same					the horizontal suppo		
012					el to the flat surface an		
115					ace lying across the ce		
YOU.	Each sample is to be				acc lying across the cc	inci oi the to	ist sample.
25.					autamal tamparatura	door not ove	aad 170℃
-					external temperature		eed 170 C
JP.	and there is no disass				within six nours after	this test.	~0,
19 = 11 1	C11#~C15#: 第一个				XVV A		
样品状态	C11#~C15#: first c						
Sample status	C16#~C20#: 第二十						
28		25 cycles at	50% of the	design rated c	apacity of cell.	90	21
样品编号 Sample No.	样品表面最高温度 Max External Temperature(℃)	测试结果 Test result	备注 Remark	样品编号 Sample No.	样品表面最高温度 Max External Temperature(℃)	测试结果 Test result	备注 Remark
C11#	20.7	O	1400	C16#	22.2	0	Ø 1
C12#	21.6	0		C17#	21.5	0	1
C13#	20.9	О	1	C18#	21.8	О	A CONTRACT
C14#	21.5	О	opt of	C19#	22.1	0,50	/
C15#	21.3	0	/	C20#	21.5	0	/ ₆ L ¹

注: D-解体; R-破裂; F-起火; O-无解体、无破裂、无起火。

Note: D-Disassembly, R-Rupture, F-Fire, O-No Disassembly, No Rupture & No Fire.

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序号 No.	附表 7 Appendix 7	测试项目名称 Name of test	过度充电 Overcharge
标准要求 Requirement of Standard	充电电流必须是制造商建议的 (a)制造商建议的充电电压不倍或 22V 两者中的较少者。 (b)制造商建议的充电电压力可再充电电池组在环境温度 The charge current shall be twick current. The minimum voltage of (a) When the manufacturer's receivoltage of the test shall be the less 22V. (b) When the manufacturer's receivoltage of the test shall be 1.2 times are to be conducted at an	最大连续充电电流的两倍,试 大于 18V 时,试验的最小电压 下试验 24h。试样在试验后 7 元 e the manufacturer's recommender f the test shall be as follows: commended charge voltage is not esser of two times the maximum of commended charge voltage is more mess the maximum charge voltage mbient temperature. The duration	验的最小电压应为如下: E应是电池组最大充电电压的两 应是最大充电电压的 1.2 倍。 天内应无解体和无燃烧。 ed maximum continuous charge more than 18V, the minimum charge voltage of the battery or
样品状态 Sample status 样品编号	/ 测试结果	ENWELL C.	备注
Sample No.	Test result	, october 15 cm	Remark
/ 1	CHANGE I STAND	能用在另一池组或设金	度充电保护装置、按设计要求只 一个带过度充电保护装置的电 备中的电池组或单一电池电池
	MEDIETRIC 1	Batteries equipped w that are component	满足本项试验的要求。 or single cell batteries not with battery overcharge protection designed for use only as a in another battery or in which affords such protection,
	CHARLE 1		oject to the requirements of this

注: D-解体; R-破裂; F-起火; O-无解体、无破裂、无起火。

Note: D-Disassembly, R-Rupture, F-Fire, O-No Disassembly, No Rupture & No Fire.

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序号 No.	附表 8 Appendix	8	测试项目名和 Name of test	100	强制放电 Forced discharge
标准要求 Requirement of Standard	定的最大放电电流的燃烧。 Each cell shall be fo D.C. power supply manufacturer. The spappropriate size and interval (in hours) economics.	的条件下强制放 rced discharged a at an initial curre pecified discharge rating in series w qual to its rated ca	电。原电池或可料 at ambient tempera ent equal to the m e current is to be of ith the test cell. Ea apacity divided by	F充电电池在试验后 ature by connecting aximum discharge obtained by connecting the cell shall be forced the initial test curre	E 始电流等于制造商给 7 天内应无解体和无 it in series with a 12 V current specified by the ng a resistive load of the ed discharged for a time ont (in Ampere).Primary of fire within seven days
样品状态 Sample status	C21#~C30#: 第一/ C21#~C30#: first of C31#~C40#: 第二- C31#~C40#: after 25	cycle in fully disc 十五个循环完全流	harged states; 放电的电芯。	OME DETINE	SISTONIE GUARGIHOU
样品编号 Sample No.	测试结果 Test result	备注 Remark	样品编号 Sample No.	测试结果 Test result	备注 Remark
C21#	0	CHOU /	C31#	0	1,100,4
C22#	THOU O CITE	1	C32#	0	
C23#	0	CENT CONTRACTOR OF THE PROPERTY OF THE PROPERT	C33#	O	STRICT / ONS
C24#	0	<i>P</i> / <i>A</i>	C34#	O ME	1000
C25#	O ZEON	15 Pilo	C35#	0	LANGLE /
C26#	O	ETOMS /	C36#	and o	1,4
C27#	0 0	1 1016	C37#	0	45
C28#	O. C.	/	C38#	0	children / cold
C29#	0	J /	C39#	o o	J. S. L.
C30#	e 0 400	1 2010	C40#	05	TON'

注: D-解体; R-破裂; F-起火; O-无解体、无破裂、无起火。

Note: D-Disassembly, R-Rupture, F-Fire, O-No Disassembly, No Rupture & No Fire.

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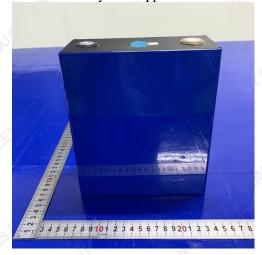
Date: < 2021-04-06 Page: 13 of 14

样品图片

Photo of the sample

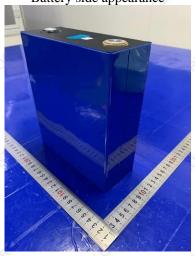
电池正面外观

Battery front appearance



电池侧面外观

Battery side appearance



电池背面外观

Battery back appearance



电池铭牌(含 Wh)

Battery nameplate (With Wh)



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2本报告无批准人、审核人及主检人签名无效。

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Inspection Address: Room C102, No.1 Nanxiangzhi Road, Science City, Guangzhou, Guangdong, China (Light Industry Testing Laboratory in Science City)

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