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检测报告 UN38.3

Name of sample:	LiFePO4 BATTERY PACK
产品名称:	磷酸铁锂电池组
Model/型号规格:	LP20-48250
Client:	MUST ENERGY (GUANGDONG) TECHNOLOGY CO.,LTD
委托单位:	美世乐(广东)新能源科技有限公司
Classification:	Commission Test
检测类别:	多

Shenzhen Tiansu Calibration and Testing Co., Ltd

深圳天溯计量检测股份有限公司

Shenzhen Tiansu Calibration and Testing Co.,Ltd 深圳天溯计量检测股份有限公司

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Name of samples: LiFePO4 BATTERY PACK	Trade mark: Infinisolar
样品名称: 磷酸铁锂电池组	商标: Infinisolar
Commissioned by: MUST ENERGY (GUANGDONG) TECHNOLOGY CO.,LTD 委托单位: 美世乐(广东)新能源科技有限公司 Manufacturer by: MUST ENERGY (GUANGDONG) TECHNOLOGY CO.,LTD 制造单位: 美世乐(广东)新能源科技有限公司	Commissioner address: 1-5F, 7F, 9F, 10F of No.8 building,No.115,Zhangcha Road 1,Chancheng district,Foshan city,Guangdong Province,P.R.China 委托单位地址: 中国广东省佛山市禅城区张槎一路 115 号八座一层、二层、三层、四层、五层、七层、九层、十层 Manufacturer address: 1-5F, 7F, 9F, 10F of No.8 building,No.115,Zhangcha Road 1,Chancheng district,Foshan city,Guangdong Province,P.R.China 制造单位地址: 中国广东省佛山市禅城区张槎一路 115 号八座一层、二层、三层、四层、五层、七层、九层、十层
Manufacturer's Contact Information	Manufacturer's Web Site
制造商联系信息:	制造商网址:
Phone: 15012636534 Email: rd-cp@mustpower.cn	www.mustpower.cn
Type/Model	Shape: Approximate Cuboid
型号规格: LP20-48250	样品形状: 近长方体
Appearance color: Black and White	Sample size
样品颜色: 黑白色	样品尺寸: L(540.1mm)*W(499.0mm)*H(664.0mm)
Rated info.	Cell quantity
额定信息: 51.2V/250Ah/12.80KWh	组成电芯数量: 16PCS
Quantity of sample: 30cells+8batteries	Cell model
样品数量: 30 个电芯+8 个电池	电芯型号: C15LFP
Limited charge voltage	Cut-off voltage
充电限制电压: 57.6V	放电截止电压: 44.0V
Standard charge current	Max continuous charge current
标准充电电流: 20A	最大持续充电电流: 50A
Standard discharge current	Max continuous discharge current
标准放电电流: 50A	最大持续放电电流: 100A
Receiving date	Sample identification
接样日期: 2022.09.21	样品标识序号: C01#~C30#, B01#~B08#
Completing date	Test item: 8 items
完成日期: 2022.10.05	测试项目: 8 项
Test conclusion:	。

Test conclusion:

检测结论:

The LiFePO4 BATTERY PACK submitted by MUST ENERGY (GUANGDONG) TECHNOLOGY CO. LiFe tested according to Section 38.3 of The Seventh Revised Edition of the United Nations Recommendations on the Transport of Dangerous Goods, Manual of Test and Criteria (ST/SG/AC.10/11/Rev.7/Section38.3). The test results comply with the relevant requirements of the standard.

由美世乐(广东)新能源科技有限公司送检的磷酸铁锂电池组,依据联合国《关于危险长物运输的是设书、设施和标准手册》第七修订版第 38.3 节进行检测,测试结果符合标准相关要求。

批准 Approved by 段江涛

审核 Reviewed by

野伟超

主检 Tested by

徐志龙

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Description and illustration of the sample:

样品说明及描述:

一叫此外及油丝	•	ta	
Test item 测试项目	Sample No. 样品编号	State 状态	Remark 备注
T.1~T.5	B01#~B02#	at first cycle in fully charged states; 在第一个循环完全充电;	Battery
1.1~1.5 ************************************	B03#~B04#	after 25 cycles ending in fully charged states; 在第二十五个循环完全充电;	电池
	C01#~C05#	at first cycle at 50% of the design rated capacity; 在第一个循环充电 50%的额定容量;	Cell
F.T.6	C06#~C10#	after 25 cycles ending in fully charged at 50% of the design rated capacity; 在第二十五个循环充电 50%的额定容量;	电芯
T.7	B05#~B06#	at first cycle in fully charged states; 在第一个循环完全充电;	Battery
1.7 美潮	B07#~B08#	after 25 cycles ending in fully charged states; 在第二十五个循环完全充电;	电池
T.8	C11#~C20#	at first cycle in fully discharged states; 在第一个循环完全放电;	Cell
K WA Tim Su	C21#~C30#	after 25 cycles ending in fully discharged states; 在第二十五个循环完全放电;	电芯

Descri	otion (of the	sampling	procedure:
	P (O	oo	04111911119	p. 000 a a. 0.

取样程序的说明:

/

Description of report revision:

报告修订的说明:

/

Remarks:

备注:

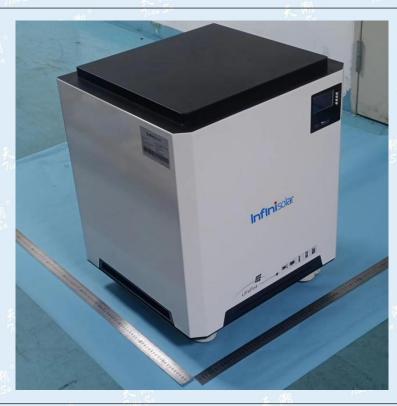
The LiFePO4 BATTERY PACK by MUST ENERGY (GUANGDONG) TECHNOLOGY CO.,LTD are large batteries.

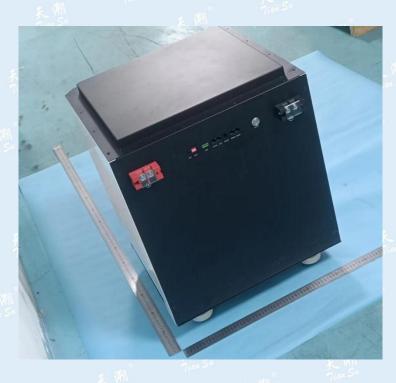
由美世乐 (广东) 新能源科技有限公司所送的磷酸铁锂电池组是大电池。



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Photos of Battery\电池图片







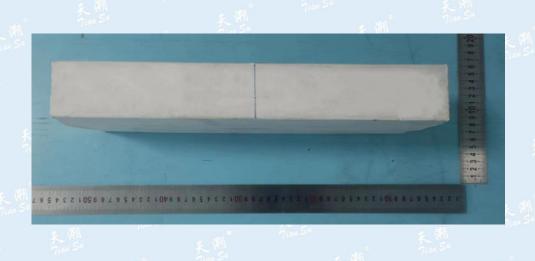




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38.3.4	Procedure/测证	式步骤				美型	_
美潮	Test 1: Altitud	le simulation/	测试 1: 高度模	.拟	表潮	ryean-" 全調	,
	at ambient tem	nperature (20°	C±5℃).		6kPa or less for a Pa 的环境中贮存	at least six hour 不少于 6 个小时。	天湖 Tian Su
	Requirement/	示准要求:	K. W.	A Sa	2 WA	7ian Su	
7	1.Cells and ba 样品质量损	A.u. 5	oss limit: ≤0.1%	· 美潮		天 潮	⁵ P
38.3.4.1	applicable to	test cells and	batteries at ful	l discharged sta		美 (W) 7/1/1/5	e F
	7.73	丌 衉 电 压 应 个 证	4.丁 风 短 則 丌 路	电压的 90%,此	要求不适用于完全	全放完电的电池	280
	和电芯。 3.No leakage,	no venting, no	disassembly, r	no rupture and i		54 天潮。	天渊 Tian S
	和电芯。 3.No leakage,	no venting, no	disassembly, r	no rupture and i	no fire.	54 天潮。	天衛 Tian S 天瀬 Tian Su
Sample	和电芯。 3.No leakage, 样品(电池) Result	no venting, no 应无漏液、无	disassembly, r 击排气、无解体、	no rupture and i	no fire.	54 天潮。	Test result
Sample No. 样品编号	和电芯。 3.No leakage,样品(电池) Result 测试结果 Before	no venting, no 应无漏液、无	disassembly, r 击排气、无解体、	no rupture and i . 无破裂以及无 r Test	no fire. 着火现象的发生。	美洲 Tian Su Tian Su	result
No.	和电芯。 3.No leakage, 样品(电池) Result 测试结果 Before 测试 Mass	no venting, no 应无漏液、无 e Test .前 Voltage	disassembly, r 上排气、无解体、 After 测i	no rupture and i 无破裂以及无 r Test 试后 Voltage	no fire. 着火现象的发生。 Mass loss	Tim St. Residual OCV	result
No. 样品编号	和电芯。 3.No leakage, 样品(电池) Result 测试结果 Before 测试 Mass 样品质量 (kg)	no venting, no 应无漏液、无 e Test 认前 Voltage 开路电压(V)	disassembly, r 上排气、无解体、 After 测i Mass 样品质量(kg)	no rupture and i 无破裂以及无 r Test 试后 Voltage 开路电压(V)	no fire. 着火现象的发生。 Mass loss 质量损失(%)	Residual OCV 剩余电压(%)	result 测试结果
No. 样品编号 B01#	和电芯。 3.No leakage, 样品(电池) Result 测试结果 Before 测试 Mass 样品质量 (kg) 139.213	no venting, no 应无漏液、无 e Test 前 Voltage 开路电压(V) 54.562	disassembly, r 注排气、无解体、 After 测 Mass 样品质量(kg) 139.213	no rupture and i 无破裂以及无 r Test 试后 Voltage 开路电压(V) 54.546	no fire. 着火现象的发生。 Mass loss 质量损失(%)	Residual OCV 剩余电压(%)	result 测试结果 P

Other supplements: Test result "P" decides that the test item passes.

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38.3.4	Procedure/测	试步骤					_
天 谢	Test 2: Therr	mal test/测试 2	: 温度测试		毛 硼	₹įan S" • × ×	
	72℃±2℃, foll ±2℃, The ma procedure is t batteries are t 将电芯和电池 件下贮存不少	owed by storag ximum time int to be repeated to be stored for 在温度为 72℃: 于6个小时,两	ge for at least si erval between t until 10 total cy 24 hours at an ±2℃的条件下贮	x hours at a tea est temperatur cles are comple bient temperat 存不少于 6 个 扇最长为 30min	st temperature e e extremes in 30 ete, after which a ture (20℃±5℃). 小时,然后,在这	minutes, This all test cells and	天瀬 7ian Su M ian Su
38.3.4.2	Requirement/ 1.Cells and ba 样品质量损	atteries Mass lo	oss limit: ≤0.1%	天湖 Tian Su	7102 5" ***********************************	天消 70an S 18	P
	applicable f 样品试验后 和电芯。 3.No leakage	o test cells and 开路电压应不作 , no venting, no	I batteries at ful 氐于试验前开路 o disassembly, r	I discharged st 电压的 90%,此 no rupture and	要求不适用于完	全放完电的电池	Tian S 天 開 Tian Su
	Result 测试结果	7ian 5a	支衛	K VM 7ian Su	F.	州 an Sa	5." * * * * * * * * * * * * * * * * * * *
Sample No.		e Test 式前		Test 武后	Mass loss	Residual OCV	Test result
样品编号	Mass 样品质量 (kg)	Voltage 开路电压(V)	Mass 样品质量(kg)	Voltage 开路电压(V)	质量损失(%)	剩余电压(%)	测试结果
B01#	139.213	54.546	139.213	54.290	0.00	99.53	Р
B02#	139.218	54.504	139.218	54.237	0.00	99.51	Р
B03#	139.217	54.645	139.217	54.355	0.00	99.47	Р
B04#	139,210	55.713	139.210	55.423	0.00	99.48	Р

Other supplements: Test result "P" decides that the test item passes.

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38.3.4	Procedure/测	试步骤					ian >**
天湖	Test 3: Vibra	tion/测试 3:振	动 7000 50		未測	- 74an - 1340	
	distorting the be a sinusoid Hz traversed each of three 将电芯和电池加至 200Hz,	cells in such a al wave form wi in 15 minutes, mutually perpe 牢固地安装在挑	manner as to faith a logarithmic This cycle shall Indicular mount 员动台的台面上。 到 7Hz 为一个循	aithfully transmit c sweep betwee be repeated 12 ing position of t , 然后开始振动 环,一个循环标	n 7 Hz and 200 l 2 times for a tota	ne vibration shall Hz and back to 7 I of 3 hours for 形式,以 7Hz 增	天湖 Tian Su ian Su
38.3.4.3	样品质量打 2.Open circui applicable 样品试验后 和电芯。	atteries Mass lo 员失≤0.1%. t voltage not les to test cells and 开路电压应不值	ss than 90%, TI I batteries at ful 氐于试验前开路	ne requirement Il discharged sta	要求不适用于完全	- True-	P Fian S Fian Sa
	样品(电池 Result)应无漏液、无	上排气、无解体.	、无破裂以及无	着火现象的发生。	o Tian	et.
	测试结果						
Sample No.		re Test 式前	16	r Test 试后	Mass loss	Residual OCV	Test result
样品编号	Mass 样品质量 (kg)	Voltage 开路电压(V)	Mass 样品质量(kg)	Voltage 开路电压(V)	质量损失(%)	剩余电压(%)	测试结果
B01#	139.213	54.290	139.213	54.279	0.00	99.98	Р
B02#	139.218	54.237	139.218	54.199	0.00	99.93	Р
B03#	139.217	54.355	139.217	54.312	0.00	99.92	Pian
B04#	139.210	55.423	139.210	55.373	0.00	99.91	Р

Other supplements: Test result "P" decides that the test item passes. 其他补充: 测试结果"P"代表判定该测试项目通过。

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	Procedure/测	试步骤					_
天概	Test 4: Shock	k/测试 4: 冲击	k vili 7ian Su		天湖。	-7/an 5" -> &A	
	to a half-sine smaller) and psubjected to a smaller) and pthree shocks in three mutually 以稳固的托架	shock of peak a pulse duration of half-sine of per pulse duration of in the positive of perpendicular 固定住每个电芯 中的较小值)的	acceleration of of 6 milliseconds at acceleration of 11 millisecond direction follower mounting posits 和电池样品的4半正弦的加速度	150g _n (or Accel s, large cells an of 50g _n (or Acc ds. Each cell or d by three shootions of the cell of 全部配件表面。 专撞击,脉冲持续	eration(gn)= Vind large batteries celeration(gn)= Vind battery shall be cks in the negative or battery for a total of the cks in the segative contact of the cks in the cks in the cks in the segative contact of the cks in the	shall be (miss), which is subjected to be direction of that of 18 shocks. 也以峰值为 150gn (mark) 和大型电池组	天湖 Tian Si Ian Si
38.3.4.4	每个电池或电	Self EXAMPLE CONTRACT	相垂直的电池等		向经受三次冲击,		天 渊 Tian S
	样品质量损 2.Open circuit applicable t	atteries Mass Ic 失≤0.1%.		ne requirement	relating to voltag	e is not	天 衛 7ian Su
	和电芯。 3.No leakage,	开路电压应不值 no venting, no	低于试验前开路 disassembly, r	电压的 90%,此 no rupture and r	要求不适用于完全 no fire.		© V
	和电芯。 3.No leakage, 样品(电池	开路电压应不值 no venting, no)应无漏液、无	低于试验前开路 disassembly, r	电压的 90%,此 no rupture and r	要求不适用于完全		s Figure
Sample	和电芯。 3.No leakage, 样品(电池 Result/测试结	开路电压应不值 no venting, no)应无漏液、无 i果 e Test	低于试验前开路 disassembly, r t排气、无解体、 Aftel	电压的 90%,此 no rupture and r	要求不适用于完全 no fire.		Test
Sample No. 样品编号	和电芯。 3.No leakage, 样品(电池 Result/测试结	开路电压应不值 no venting, no)应无漏液、无 i果 e Test	低于试验前开路 disassembly, r t排气、无解体、 Aftel	电压的 90%,此 no rupture and r 无破裂以及无	要求不适用于完全 no fire. 着火现象的发生。	天 河 河 (Sa) (Sa) (Sa) (Sa) (Sa)	result
No.	和电芯。 3.No leakage, 样品(电池 Result/测试结 Before 测证 Mass	开路电压应不作 no venting, no)应无漏液、无 f果 e Test 式前 Voltage	低于试验前开路 disassembly, r t排气、无解体、 After 测i	电压的 90%,此 no rupture and r 无破裂以及无 Test 式后 Voltage	要求不适用于完全 no fire. 着火现象的发生。 Mass loss	Residual OCV	result
No. 样品编号	和电芯。 3.No leakage, 样品(电池 Result/测试结 Before 测试 Mass 样品质量(kg)	开路电压应不作 no venting, no)应无漏液、无 !果 e Test 式前 Voltage 开路电压(V)	太于试验前开路 disassembly, r 上排气、无解体、 After 测i Mass 样品质量(kg)	电压的 90%,此 no rupture and r 无破裂以及无 Test 式后 Voltage 开路电压(V)	要求不适用于完全 no fire. 着火现象的发生。 Mass loss 质量损失(%)	Residual OCV 剩余电压(%)	result 测试结身
No. 样品编号 B01#	和电芯。 3.No leakage, 样品(电池 Result/测试结 Before 测试 Mass 样品质量(kg) 139.213	开路电压应不作 no venting, no)应无漏液、无 i果 e Test 式前 Voltage 开路电压(V) 54.279	K于试验前开路 disassembly, r t排气、无解体、 After 测i Mass 样品质量(kg) 139.213	电压的 90%,此 no rupture and r 无破裂以及无 Test 式后 Voltage 开路电压(V) 54.219	要求不适用于完全no fire. 着火现象的发生。 Mass loss 质量损失(%)	Residual OCV 剩余电压(%) 99.89	result 测试结果 P

Other supplements: Test result "P" decides that the test item passes.

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38.3.4	Procedure/测试步骤		天 鄉	
天湖	Test 5: External short circu	it/测试 5: 外部短路	AA	*
7ian 5 ² 天湖 7ian 5 ²	temperature reaches 57℃±4 circuit condition with a total e circuit condition is continued temperature has returned to hour for the test to be conclud 保持试验环境温度稳定在 57℃ 此温度下,将其正负极用小于	C±4℃,以使电芯或电池样品外表温 0.1 欧姆的线路短接,待电芯或电池	be subjected to a short ohm at 57℃±4℃, This short r battery external case be observed for a further six 度达到 57℃±4℃, 然后, 在的外表温度恢复到 57℃±4℃	美湖 7ian Su 湖 ian Su
38.3.4.5	* 	L芯或电池必须进一步观察 6 个小时;	才能下结论。	
	170℃; 电芯或电池的外壳温度应不		文课 Teas Su	
	2. No disassembly, no rupture 试验后 6 小时内无解体、无	e and no fire during the test and wit :破裂、无起火。	hin six hours after this test.	
	Result 测试结果	夫願 Tian Si	A Tim Su	
Sample No. 样品编号	大湖 Tian Su Tian Su	Max External Temp 样品表面最高温度(℃)	天湖 Tean Su	Test result 测试结果
B01#	采溯	58.6	天湖	Р
B02#	美洲	57.7	天 所 Tian Sa	P
DOO!!	7ian	58.3	毛潮	Р
B03#				

Other supplements: Test result "P" decides that the test item passes

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38.3.4	Procedure/测试步骤		美潮	_
- M	Test 6: Crush\Impact/	支 洲	-71an 5"	
	测试 6: 挤压(适用)		天徽	
	撞击(不适用)		天潮	19.0
	Crush 挤压	天湖 Tian Su	7,000-5	7 ion S
	A cell or component cell is to be crushed be gradual with a speed of approximately 1.5 c to be continued until the first of the three op	m/s at the first point of c	T 4000	M im Su
	(a) The applied force reaches 13kN±0.78kN	l;	gian Su	3
	(b) The voltage of the cell drops by at least	100 mV;	天衛	
	(c) The cell is deformed by 50% or more of	its original thickness.	z iA	
	Once the maximum pressure has been obtathe cell is deformed by at least 50% of its or	iginal thickness, the pres	ssure shall be released.	天讲 Tian S
	电池芯或组成电池芯在两个平面间挤压。挤, 有到下面三个选项之一达到为止:	⊾在第一个接触点以约 1	.5cm/s 的速度慢慢进	0
	(a)作用力达到 13kN±0.78kN;		5.4	天侧
	(b)电池芯电压降至少达到 100mV;		2 潮	Jian -
	(c)电池厚度和最初比较变形至少 50%。		7ian Su	
	一旦达到最大压力, 电压降超过 100 mV 或	者电池芯变形超过 50%	, 压力应该解除。	À.
	Impact	Tian Su	天開 Tian Sa	Į.
	撞击 7104 54	* M		"Ttan
8.3.4.6	(applicable to cylindrical cells not less than		yea 7ian Su	Р
	The sample cell or component cell is to be possible 0.1 mm diameter, at least 6 cm long, or the greater, Type 316 stainless steel bar is to be kg ± 0.1 kg mass is to be dropped from a he bar and sample in a controlled manner usin channel with minimal drag on the falling mass shall be oriented 90 degrees	longest dimension of the eplaced across the cente eight of 61cm ± 2.5 cm at g a near frictionless, verss. The vertical track or	e cell, whichever is re of the sample. A 9.1 t the intersection of the tical sliding track or channel used to guide	天湖 7ian Su 湖 Su
	The test sample is to be impacted with its lo perpendicular to the longitudinal axis of the lying across the centre of the test sample. E impact.	15.8 mm ± 0.1 mm diam	neter curved surface	F. Tia
	Cells and component cells meet this require exceed 170°C and there is no disassembly after this test.			Tian Su
	(适用于直径不小于 18 毫米的圆柱形电池)将平行于测试台面年,将一直径为 15.8 mm±0 然后,将一质量为 9.1 kg±0.1 kg 的物体从6时,其外表温度应不超过 170℃。且试验结2发生。	0.1 mm 的 316 型不锈钢 61cm±2.5 cm 的高度落向	棒横放在电池中心位置。 7样品。样品在进行试验	祖 54 美了
	Requirement/标准要求:	所 . Su	美術 7ian >"	9
	1.Cells and component cells meet this requiexceed 170℃; 电芯的外壳温度应不超过 170℃;		天 渊 71m Su	天湖 Tian Sii
	2. No disassembly, no fire during the test ar	nd within six hours after t	his test.	A.A.
	试验后6小时内无解体、无起火。		<u> </u>	S #

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	Result 测试结果	天明 Tian Su Fian Su Fian Su	Trans
Sample No. 样品编号	OCV prior to test 试验前电压(V)	Max External Temp 样品表面最高温度(℃)	Test result 测试结果
C01#	3.277 Jun Su	23.3 Tun 54	P. Su
C02#	3.268	24.7	Р
C03#	3.250	24.4	L P
C04#	3.262	24.7 Jun Su	Р
C05#	3.266	23.4	Р
C06#	3.257	24.6	Р
C07#	3.257	23.2	P m S
C08#	3.247	24.2	Р
C09#	3.278	23.9	P
C10#	3.247 £ 1/2	24.8	Р

Other supplements:

Test result "P" decides that the test item passes.

其他补充:

测试结果"P"代表判定该测试项目通过。

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8.3.4	Procedure/测试步骤			_
天湖	Test 7: Overcharge/测试 7:	过度充电	iu e	-#-0
明 88.3.4.7 例	voltage of the test shall be the 22V, whichever is less. Whe than 18V, the charging voltage charging current is 2 times of manufacturer. 如果厂家推荐的充电电压不起	commended charge voltage is not more lesser of two times the maximum of en the manufacturer's recommended ge of the test shall be 1.2 times maxify the maximum charging current recommended at 18V, 本测试的最小充电电压应该分者。如果厂家推荐的充电电压超过	charge voltage of the or d charge voltage is more mum charge voltage. Th ommended by the 该是两倍的厂家标定最大	e P 充
	Requirements/标准要求: No disassembly and no fire of	充电电流为厂家推荐的最大充电电流 during the test and within seven days 7 天内,应无解体和无起火现象发生。	s after the test.	天道 Tian
	Requirements/标准要求: No disassembly and no fire di 试验样品在试验中和试验后了	during the test and within seven days	s after the test.	天) Pian: PianSu
ample No.	Requirements/标准要求: No disassembly and no fire disastembly and no fire disasted the disasted from the	during the test and within seven days 7 天内,应无解体和无起火现象发生。 OCV prior to test	s after the test.	Test result
•	Requirements/标准要求: No disassembly and no fire di 试验样品在试验中和试验后了	during the test and within seven days 7 天内,应无解体和无起火现象发生。	s after the test.	Test result 测试结果
•	Requirements/标准要求: No disassembly and no fire di 试验样品在试验中和试验后了	during the test and within seven days 7 天内,应无解体和无起火现象发生。 OCV prior to test	s after the test.	
样品编号	Requirements/标准要求: No disassembly and no fire di 试验样品在试验中和试验后了	during the test and within seven days 7 天内,应无解体和无起火现象发生。 OCV prior to test 试验前电压(V)	s after the test.	测试结果
Time Su	Requirements/标准要求: No disassembly and no fire di 试验样品在试验中和试验后了	during the test and within seven days 7 天内,应无解体和无起火现象发生。 OCV prior to test 试验前电压(V) 55.730	s after the test.	测试结果 P

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天湖 7ian Su 7ian Su 8 38.3.4.8 7ian Su 7ian Su 8	Test 8: Forced discharge/测试 8: 强制放电				
	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 the manufacturer 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). 在 20℃±5℃的环境温度下,将单个电芯连接在 12V 的直流电源上进行强制放电,此直流电源提供每个电芯初始电流为制造厂指定的最大放电电流,放电时间为额定容量除以初始电流。				天神 7ian S W Tian S ^u P
	Requirements/标准要求: No disassembly and no fire during the test and within seven days after the test. 试验样品在试验中和试验后 7 天内,应无解体和无起火现象发生。				天谱 Tian
	Result 测试结果	z M	天湖 Tian Se	7iau Su 天 開 7iau Su	K WAA Jian Su
Sample No. 样品编号	OCV prior to test 试验前电压(V)	Test result 测试结果	Sample No. 样品编号	OCV prior to test 试验前电压(V)	Test resul 测试结果
C11#	7 2.876	P	C21#	2.867	P
C12#	2.910	P	C22#	2.877	Р
C13#	2.865	Р	C23#	2.922	P
C14#	2.856	Р	C24#	2.883	Р
C15#	2.916	P P	C25#	7 in 5" 2.948	P
C16#	2.874	Р	C26#	2.892	Р
C17#	2.876	7can Su P	C27#	2.866	P
C18#	2.917	P Time	C28#	2.880	Р
C19#	2.890	Р	C29#	2.910	70P5"
C 19#	(4)	Р	C30#	2.904	P

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STATEMENTS

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- 1. The test report is invalid without the official stamp of Tiansu. 本报告无检测单位印章无效。
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