



UN38.3 Test Report

Samples Name Lithium Ion Batteries

样品名称

锂离子电池

Model

48100PW

型号

Applicant

Zhuhai OTE Electronic Technology Co., Ltd.

委托单位

珠海市欧特电子科技有限公司



广东科正技术服务有限公司 KSIGN(Guangdong) Testing Co., Ltd.

		Page 2 of	f 16	Re	eport No.: KS2203S1222B01
		al Info 基本资	rmation 料		
Sample Name 样品名称	Lithium Ion Batteries 锂离子电池		Model Name 型号		48100PW
Rating 标称	51.2Vd.c., 100Ah		Watt-hour 瓦时		5120Wh
Dimension 尺寸(T*W*L)	Max.: 220.0*410.0*630).0 (mm)	Weight 重量		Appr.: 49.4kg
Sample Status 样品状态	Good 良好		Sample Inform 样品信息	ation	Battery(16S1P) 电池(16 串 1 并)
Applicant 申请商	Zhuhai OTE Electronic 珠海市欧特电子科技有		ogy Co., Ltd.		
Applicant Address 申请商地址	5Th FL, #201, Futaihua Guangdong, China (Ma 珠海市前山明珠南路 20	ainland)	, , , , , , , , , , , , , , , , , , ,		nshan, Zhuhai,
Manufacturer 制造商	Zhuhai OTE Electronic 珠海市欧特电子科技有		ogy Co., Ltd.		280
Manufacturer Address 制造商地址	5Th FL, #201, Futaihua Guangdong, China (Ma 珠海市前山明珠南路 20	ainland)			nshan, Zhuhai,
Manufacturer Telephone 制造商电话	+86-756 8598852	Manufa 制造商曲	cturer Email 『箱	info@	@opsolarbattery.com
Manufacturer Web 制造商网址	www.opsolarbattery.co	om	216		塘
Test Method & Criterion 检验方法及判定标准	UNITED NATION "Red GOODS, Manual of Te 联合国《关于危险品货	st and Cri	iteria " ST/SG/AC	.10/11/R	Rev.7, Section 38.3
Testing Laboratory 检测单位	KSIGN(Guangdong) Testing Co., Ltd. 广东科正技术服务有限公司 West Side of 1/F., Building C, Zone A, Fuyuan New Factory, Jiujiu Industrial Park, Minzhu, Shatou, Shajing, Bao'an District, Shenzhen, Guangdong, China 广东省深圳市宝安区沙井街道沙头社区民主九九工业区福源厂新厂房A区C栋一层西侧,518104				
Sample Receiving Date 收样接收日期	2022年03月29日	Test Da 测试日期	1 2022 44 0	3月29	日 to 2022年4月20日
Conclusion 测试结论	the TRANSPORT OF I	DANGERO 7, Section	OUS GOODS, Ma 38.3.受检样品通 饭, 第 38.3 节各项	anual of 过联合国 i检测,相 Seal/	图《关于危险品货物运输的建 检测结果合格。

Tested By: 主检 Test Engineer

Checker: 审核 Project Engineer

Approver: 批准 Technical Director



Test Summary Lists 测试摘要列表						
Test No. 测试编号	Test Item 测试项目	Test Results 测试结果	Conclusion 本项结论			
T1	Altitude simulation / 高空模拟	See Appendix 1 F Altitude simulation / 高空模拟				
T2	Thermal test / 耐热测试 See Appendix 2 Pas					
Т3	Vibration / 振动测试	Passed 合格				
T4	Shock / 冲击测试	Shock / 冲击测试				
T5	External short circuit / 外部短路	See Appendix 5 见附表5	Passed 合格			
10 TO	Impact / 撞击	N/A 不适用	N/A 不适用			
√ T6	Crush / 挤压	See Appendix 6 见附表6	Passed 合格			
T7	Overcharge / 过度充电	See Appendix 7 见附表7	Passed 合格			
Т8	Forced discharge / 强制放电测试	See Appendix 8 见附表8	Passed 合格			
Remark 备注		形电芯。 coin/button cells and cylindrical cells less tha 且芯和直径不超过 18.0mm 的圆柱形电芯。	redesigned for use only as a a applicable to overcharge test.			

Test Item 测试项目	Sample No. 样品编号	Sample State 样品状态
B01~B02		At first cycle, in fully charged states 第1个充放电周期,完全充电状态
T1~T5	B03~B04	After 25 cycles ending in fully charged states 第25个充放电周期,完全充电状态
то.	C01~C05	At first cycle at 50% of the design rated capacity 第1个充放电周期 50%设计额定容量状态
T6 -	C06~C10	After 25 cycle at 50% of the design rated capacity 第25个充放电周期 50%设计额定容量状态
	B05~B06	At first cycle, in fully charged states 第1个充放电周期,完全充电状态
T7	B07~B08	After 25 cycles ending in fully charged states 第25个充放电周期,完全充电状态
TO	C11~C20	At first cycle in fully discharged states 第1个充放电周期,完全放电状态
T8 -	C21~C30	After 25 cycles ending in fully discharged states 第25个充放电周期,完全放电状态

备注: 以上样品在测试前已由工厂按要求进行充放电循环处理。

	Appendix 1 附表 1					
Test Items 测试项目	Altitude simulation 高空模拟					
1.1	Test procedure 测试步骤					
	Test cells and batteries shall be stored at a pressure of 11.6kPa or less for at least six hour at ambient temperature (20 ± 5 °C). Cells and batteries meet this requirement if there is no mass loss, 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. The requirement relating to voltage is not applicable to test cells and batteries at fully discharged states. 试验电芯和电池在环境温度(20 ± 5 °C)下,储存在小于等于11.6kPa的压力下至少六小时。 试验电芯或电池应无重量损失、无渗漏、无排气、无解体、无破裂和无燃烧,并且每个试验电芯或电池在试验后的开路电压不少于其在进行这一试验前电压的 90%(完全放电状态的试验电芯或电池除外)。					
1.2	Result 测试结果					

	2 2 2 8 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		L = L + L + L + L + L + L + L + L + L +				
	Before 测试前		After 测试后		Mass loss	Residual OCV 剩余电压 (%)	Test result 测试结果
Sample No. 样品编号	Mass 样品质量 (Kg)	Voltage 开路电压 (V)	bltageMassVoltage质量损失路电压样品质量开路电压(%)				
B01	49.40	56.35	49.40	56.33	0.00	99.96	0
B02	49.38	56.36	49.38	56.34	0.00	99.96	0
B03	49.41	56.34	49.41	56.34	0.00	100.00	0
B04	49.39	56.37	49.39	56.35	0.00	99.96	O

Note: L- Leakage, V- Venting, D- Disassembly, R- Rupture, F- Fire,

O- No leakage, no venting, no disassembly, no rupture, no fire, no mass loss, change ratio is not less than 90 %.

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、无质量损失、电压比不小于 90 %。

	Appendix 2 附表 2					
Test Items 测试项目	Thermal test 温度试验					
2.1	Test procedure 测试步骤	, Mile	No.			
	2℃, followed by storage for at leas maximum time interval between test be repeated until 10 total cycles are stored for 24 hours at ambient tem of exposure to the test temperature Cells and batteries meet this required disassembly, no rupture and no fire testing is not less than 90% of its verelating to voltage is not applicable 将电芯和电池在温度为72±2℃的条少于6个小时,两个温度间的间隔最温度为20±5℃的条件下放置24个小应为12小时。试验电芯或电池应无重量损失、无效	tored for at least six hours at a test term at six hours at a test temperature equal at temperature extremes in 30 minutes temperature extremes in 30 minutes temperature (and a complete, after which all test cells and perature (and a complete). For large cells and the extremes should be at least 12 hours are ment if there is no mass loss, no leak the and if the open circuit voltage of each oltage immediately prior to this procedute to test cells and batteries at fully disched to test cells and batteries at fu	to -40±2℃. The . This procedure is to d batteries are to be l batteries, the duration . Tage, no venting, no l test cell or battery after ure. The requirement larged states. 是-40±2℃条件下贮存不 次,然后,将其在环境 端试验温度的时间至少			
2.2	测试结果	N. 1				

	No. 1						
	Before 测试前		After 测试后		Mass loss	Residual	Tankanasak
Sample No. 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 (%)	OCV 剩余电压 (%)	Test result 测试结果
B01	49.40	56.33	49.40	56.03	0.00	99.47	0
B02	49.38	56.34	49.38	56.02	0.00	99.43	0
B03	49.41	56.34	49.41	56.01	0.00	99.41	0
B04	49.39	56.35	49.39	56.01	0.00	99.40	0

Note: L- Leakage, V- Venting, D- Disassembly, R- Rupture, F- Fire,

O- No leakage, no venting, no disassembly, no rupture, no fire, no mass loss, change ratio is not less than 90 %.

注: L- 泄漏; V- 排气; D- 解体; R- 破裂; F- 起火;

测试结果

O- 无泄漏、无排气、无解体、无破裂、无起火、无质量损失、电压比不小于 90 %。

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		Appendix 3 附表 3			
Test Items 测试项目	Vibration 振动				. N
3.1	Test procedure 测试步骤				12
	Cells and batteries are firmly the cells in such a manner as sinusoidal wave form with a latraversed in 15minutes, this of three mutually perpendicular be perpendicular to the termi. The logarithmic frequency swithan 12kg (cells and small batteries). For cells and small batteries: reached. The amplitude is the increased until a peak accele 8gn is then maintained until the For large batteries: from 7Hz. The amplitude is then maintained until a peak acceleration of 2 maintained until the frequence Cells and batteries meet this	s to faithfully transmit the viogarithmic sweep between cycle shall be repeated 12 mounting position of the conal face. Weep shall differ for cells are atteries), and for batteries verteries are maintained at 0.8mm (1 eration of 8gn occurs (appropriate to a peak acceleration of 2 increased at 0.8mm (1.6mm total gn occurs (approximately 2 is increased to 200Hz.	ibration. The vint 7Hz and 200H times for a total ell. One of the old batteries with a gross matter and total excommately 50Hz to 200Hz. Ign is maintain al excursion) and 25Hz). A peak is	bration shall be a larger than the frequency of the frequ	be a point of an arrangement of the point of
	disassembly, no rupture and testing is not less than 90% or relating to voltage is not appl 将电芯和电池牢固地安装在振 200Hz,然后再减少回到 7Hz 三个互相垂直的方向上循环 1极性平面。对于质量不大于 12kg 的样品对于电芯和小电池,对数扫频振幅保持在 0.8mm (总偏移 1	of its voltage immediately pricable to test cells and batte distribution of the control of the	prior to this proceed the series at fully diently and series at fully diently diently and series at fully diently	cedure. The rescharged state 弦波形式,以数扫频。每个 振动方向必须 工电池),对数据	equirement es. 7Hz增加至 电芯和电池从 是垂直样品的 归频不同。 Hz,然后将
	大加速度保持在 8gn 直到频率对于大电池,对数扫频为:从持在 0.8mm (总偏移 1.6mm);度保持在 2gn 直到频率增加到试验电芯或电池应无重量损失或电池在试验后的开路电压不电池除外)。	、7Hz 开始保持 1gn 的最大并增加频率直到最大加速度 引 200Hz。 、无渗漏、无排气、无解位	达到 2gn (频率 本、无破裂和无	约为 25Hz) , 燃烧,并且每	将最大加速 个试验电芯
3.2	Result 测试结果	75	· ·		
Sample No. 样品编号	Before 测试前 Mass Voltage 样品质量 开路电压 (Kg) (V)	After 测试后 Mass Voltage 样品质量 开路电压 (Kg) (V)	Mass loss 质量损失 (%)	Residual OCV 剩余电压 (%)	Test resul 测试结果

<u> </u>					His November 1		
B01	49.40	56.03	49.40	56.00	0.00	99.95	0
B02	49.38	56.02	49.38	56.00	0.00	99.96	0
B03	49.41	56.01	49.41	55.99	0.00	99.96	0
B04	49.39	56.01	49.39	55.99	0.00	99.96	0

Note: L- Leakage, V- Venting, D- Disassembly, R- Rupture, F- Fire,

the appropriate minimum peak accelerations.

O- No leakage, no venting, no disassembly, no rupture, no fire, no mass loss, change ratio is not less than 90 %.

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、无质量损失、电压比不小于 90 %。

) Julie 1/	M、石肝 (、石肝体、石版衣、石度大、石灰重灰人、石压比下171 00 76。
	Appendix 4 附表 4
Test Items 测试项目	Shock 冲击
4.1	Test procedure 测试步骤
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	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 or battery shall be subjected to a halfsine shock of peak acceleration of 150gn and pulse duration of 6milliseconds. Alternatively, large cells may besubjected to a half-sine shock of peak acceleration of 50gn and pulse duration of 11 milliseconds. Each battery shall be subjected to a half-sine shock of peak acceleration depending on themass of the battery. The pulse duration shall be 6 milliseconds for small

将试验电芯和电池用坚硬的支架固定在试验装置上,支架支撑着每个试验电池的所有安装面;电芯经受峰值加速度 150gn 和脉冲持续时间 6ms 的半正弦波冲击;大电芯需经受峰值加速度 50gn 和脉冲持续时间 11ms 的半正弦波冲击;每个电池需经受半正弦波冲击的峰值加速度取决于电池的质量。小型电池的脉冲持续时间为 6ms,大型电池为 11ms。以下提供的公式用来计算适合的最小峰值加速度。

batteries and 11 milliseconds for large batteries. The formulas below are provided to calculate

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

Note: "*" Mass is expressed in kilograms

Each cell or battery shall be subjected to three shocks in the positive direction and to three shocks in the negative direction in each of three mutually perpendicular mounting positions of the cell or battery for a total of 18 shocks.

Cells and batteries meet this requirement if there is no mass loss, 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. The requirement relating to voltage is not applicable to test cells and batteries at fully discharged states.(NOTE: Mass is express in kilograms)

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每个电芯或电池须在三个互相垂直的电芯安装方位的正方向经受三次冲击,接着反方向经受三次冲击,总共经受 18 次冲击。

各试验电芯或电池应无重量损失、无渗漏、无排气、无解体、无破裂和无燃烧,并且每个试验电芯或电池在试验后的开路电压不少于其在进行这一试验前电压的 90% (完全放电状态的试验电芯或电池除外)。

4.2 Result 测试结果

Carralla Ma	Before 测试前		After 测试后		Mass loss	Residual	CV Test result 电压 测试结果
Sample No. 样品编号	Mass 样品质量 (Kg)	Voltage 开路电压 (V)	/oltage	OCV 剩余电压 (%)			
B01	49.40	56.00	49.40	55.98	0.00	99.96	0
B02	49.38	56.00	49.38	55.98	0.00	99.96	0
B03	49.41	55.99	49.41	55.96	0.00	99.95	0
B04	49.39	55.99	49.39	55.97	0.00	99.96	0

Note: L- Leakage, V- Venting, D- Disassembly, R- Rupture, F- Fire,

O- No leakage, no venting, no disassembly, no rupture, no fire, no mass loss, change ratio is not less than 90 %.

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、无质量损失、电压比不小于 90 %。

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	Appendix 5 附表 5				
Test Items 测试项目	External short circuit 外部短路				
5.1	Test procedure 测试步骤				
	The cell or battery to be tested shall be heated for a period of time necessary to reacha homogeneous stabilized temperature of 57 ± 4 °C, measured on the external case. This period of time depends on the size and design of the cell or battery and should be assessed and documented. If this assessment is not feasible, the exposure time shall be at least 6 hours for small cells and small batteries, and 12 hours for large cells and large batteries. Then the cell or battery at 57 ± 4 °C shall be subjected to one short circuit condition with a total external resistance of less than 0.1 ohm. This short circuit condition is continued for at least one hour after the cell or battery external case temperature has returned to 57 ± 4 °C, or in the case of the large batteries, has decreased by half of the maximum temperature increase observed during the test and remains below that value.				
	The short circuit and cooling down phases shall be conducted at least at ambient temperature. Cells and batteries meet this requirement if their external temperature does not exceed 170℃ and there is no disassembly, no rupture and no fire within six hours of this test. 用于测试的电芯或电池外壳温度达到恒温57±4℃后,再进行外部短路。短路的时间取决于电芯或电池的尺寸和设计,并需被评估和记录。如果这个评估无法进行,那么小电芯和小电池短路时间至少6小时,大电芯和大电池短路时间至少12小时。然后电芯或电池在57±4℃环境下经受一个阻值小于0.1Ω的外部电路短路。 电芯或电池温度到57±4℃之后,短路时间需持续1小时,大型电池短路温度下降到最大温升的一半并保持。短路和降温阶段至少应在环境温度下进行。电芯或电池的外壳温度应不超过170℃,并且试验后6h内应无解体、无破裂和无燃烧。				
5.2	Result 测试结果	, Mill			
Sample No. 样品编号	Max. External Temperature 样品表面最高温度(℃)	Test result 测试结果			
B01	58.4	0			
B02	58.6	0			
B03	58.3	0			
B04	58.5	0			

Note: **D**- Disassembly, **R**- Rupture, **F**- Fire, **O**- No disassembly, no rupture, no fire, test sample external temperature does not exceed 170 °C.

注: D-解体; R-破裂; F-起火; O-无解体、无破裂、无起火,测试样品表面温度不超过 170 ℃。

Appendix 6 附表 6 □Impact撞击 Test Items 测试项目 図Crush挤压 Test procedure 6.1 测试步骤 A cell or component cell is to be crushed between two flat surfaces. The crushing is to be gradual with a speed of approximately 1.5cm/s at the first point of contact. The crushing is to be continued until the first of the three options below is reached. (a) The applied force reaches 13kN ± 0.78kN; (b) The voltage of the cell drops by at least 100mV; or (c) The cell is deformed by 50% or more of its original thickness. Once the maximum pressure has been obtained, the voltage drops by 100mV or more, or the cell is deformed by at least 50% of its original thickness, the pressure shall be released. Cells and component cells meet this requirement if their external temperature does not exceed 170 ℃ and there is no disassembly and no fire during the test and within six hours after this test. 将试验电芯或元件电芯放在两个平面之间挤压。挤压在第一个接触点以约 1.5cm/s 的速度慢慢进 行,直到下面三个选项之一达到为止: (a) 挤压力达到 13kN±0.78kN; (b) 电芯电压降至少达到 100mV; (c) 电池厚度和最初比较变形至少 50%。 一旦达到最大压力, 电压降超过 100mV 或者电芯变形超过 50%, 压力应该解除。 试验电芯或电池的组成电芯外部温度不超过 170℃,并且在试验过程中和试验后 6 小时内应无解 体、无破裂、无起火。 Result 6.2 测试结果 Sample No. Max. External Temperature Test result 样品编号 样品表面最高温度(℃) 测试结果 C01 0 23.8 C02 24.6 0 C03 24.4 0 0 C04 24.2 C05 24.1 0 C06 24.5 0 0 C07 24.3 C08 24.2 0 C09 24.6 0 C10 24.3 0

Note: **D-** Disassembly, **F-** Fire, **O-** No disassembly, no fire, test sample external temperature does not exceed 170 °C.

注: D-解体; F-起火; O-无解体、无起火,测试样品表面温度不超过 170°C。

Appendix 7 附表 7 Test Items Overcharge 过度充电 测试项目 Test procedure 7.1 测试步骤 The charge current shall be twice the manufacturer's recommended maximum continuous charge current. The duration of the test shall be 24 hours. The minimum voltage of the test shall be as follows: 充电电流必须是制造商建议的最大持续充电电流的两倍,测试时间为24小时。试验的最小电压如 When the manufacturer's recommended N/A charge voltage is not more than 18V, the 不适用 minimum voltage of the test shall be the lesser of two times the maximum charge voltage of the or 22V. Rechargeable batteries meet this requirement if there is no disassembly and no fire within seven days of the test. 如果厂家推荐的充电电压不超过 18V,则测试 电压是两倍的厂家推荐的最大充电电压或者 22V 之间的较小值。 试验样品在试验后7天内应无解体和无燃烧。 When the manufacturer's recommended The specified maximum charge voltage is 58.4V; charge voltage is more than 18V, the The specified maximum charge current is 100A: minimum voltage of the test shall be 1.2 The test voltage is 70.08V; times maximum charge voltage. The test current is 200A. Rechargeable batteries meet this 厂家规定的最大充电电压为 58.4V; requirement if there is no disassembly and no 厂家规定的最大充电电流为 100A; fire within seven days of the test. 测试电压为 70.08V; 如果厂家推荐的充电电压超过 18V, 本测试的 测试电流为 200A。 最小充电电压应该为 1.2 倍的厂家推荐的最大 充电电压。 试验样品在试验后7天内应无解体和无燃烧。 Result 7.2 测试结果 Sample No. Voltage Before test(V) Test result 样品编号 测试前开路电压(V) 测试结果 B05 56.35 0 56.34 0 **B06** 56.37 0 **B07** 56.36 0 B08 Note: D- Disassembly, F- Fire, O- No disassembly, no fire.

注: D-解体; F-起火; O-无解体、无起火。

			endix 8 }表 8			
Test Items 测试项目	Forced discharge 强制放电	7	2	Ľ/	NO.	
8.1	Test procedure 测试步骤		On the second	~	4	
	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). Primary or rechargeable cells meet this requirement if there is no disassembly and no fire within seven days of the test. 每个电芯应在环境温度下与 12V 直流电源串联在起始电流等于制造商给定的最大放电电流的条件强制放电。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)。原电池或可再充电电池在试验后 7 天内应无解体和无燃烧。					
8.2	Result 测试结果					
Sample No. 样品编号	Voltage Before test 测试前开路电压(V)	Test result 测试结果	Sample No. 样品编号	Voltage Before test 测试前开路电压(V)	Test result 测试结果	
C11	2.687	0	C21	2.679	0	
C12	2.679	0	C22	2.675	0	
C13	2.688	0	C23	2.676	0	
C14	2.685	0	C24	2.677	0	
C15	2.684	0	C25	2.668	0	
C16	2.686	0	C26	2.675	0	
C17	2.682	0	C27	2.674	0	
C18	2.673	0	C28	2.673	0	
C19	2.681	<u></u> 0	C29	2.672	0	
C20	2.684	0	C30	2.673	0	

Note: **D**- Disassembly, **F**- Fire, **O**- No disassembly, no fire. 注: **D**- 解体; **F**- 起火; **O**- 无解体、无起火

Photos of samples 样品图片



Figure 1 Front view of battery

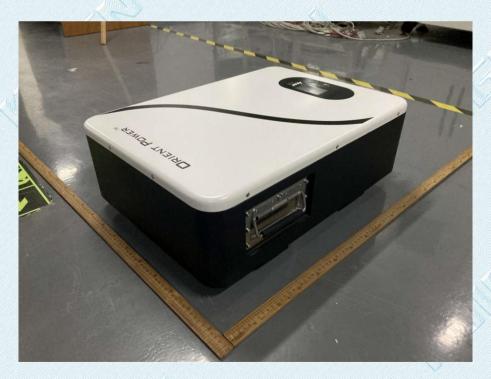


Figure 2 Back view of battery

Photos of samples 样品图片

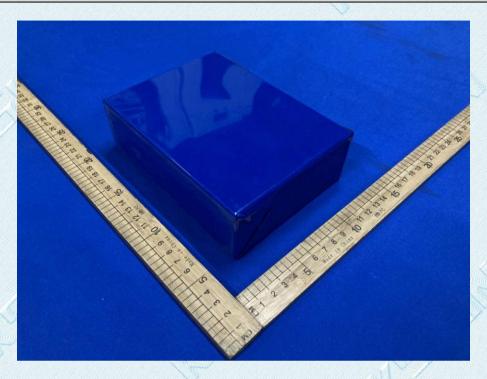


Figure 3 Front view of cell

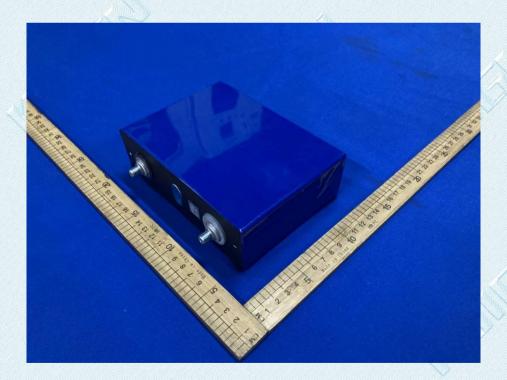


Figure 4 Back view of cell

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Report No.: KS2203S1222B01

Photos of samples

样品图片

ORIENT POWER™

Model:48100PW Rated Voltage: 51.2V

Rated Capactiy: 100Ah

Energy: 5120Wh

Discharge Current:Max. 100A

Figure 5 Label view

Important Notice

注意事项

1. The report is invalid if it is not stamped with the "Testing Special Stamp" and the "Riding Seam Stamp".

报告未加盖"检测专用章"和"骑缝章"无效。

- 2. The test report is invalid without the signatures of Approver, Reviewer and Testing engineer. 本报告书无批准人、审核人、及主检人签名无效。
- 3. The test report can not be partially copied unless prior written approval is issued from our lab. 检测报告未经本实验室书面批准,不得部分复制。
- 4. The report is invalid when anything of following happens illegal transfer, reproduce, embezzlement, imposture, modification or tampering in any media form.

私自转让、复制、盗用、冒用、涂改、或以任何媒体形式篡改的报告无效。

5. Product information and customer information provided by the applicant, we are not responsible for its authenticity.

产品信息和客户信息由申请人提供,我们不对其真实性负责。

6. The test report is valid for the tested samples only. 本报告仅对本次测试样品有效。

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

如对本报告有异议,可在收到报告后15天内向本单位申诉,逾期不予受理。

检测单位: 广东科正技术服务有限公司

Laboratory KSIGN(Guangdong) Testing Co., Ltd.

地 址: 广东省深圳市宝安区沙井街道沙头社区民主九九工业区福源厂新厂房A区C栋一层西

侧,518104

Address West Side of 1/F., Building C, Zone A, Fuyuan New Factory, Jiujiu Industrial Park,

Minzhu, Shatou, Shajing, Bao'an District, Shenzhen, Guangdong, China

电话(Tel.): +(86) 0755-29852678 传真(Fax.): +(86) 0755-29852397

E-mail: info@gdksign.cn

--- End of Report ---

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