



## **UN38.3 Test Report**

Samples Name Rechargeable Li-ion Battery

样品名称 可充电锂离子电池

Model

型号

CHAKRA 2.5-H Pro

**Applicant** 

Shenzhen EEnovance Energy Technology CO.,LTD

委托单位

深圳盛齐能源技术有限公司



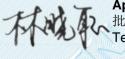
广东科正技术服务有限公司 KSIGN(Guangdong) Testing Co., Ltd.

55/39		Page 2 of 16		Rep	oort No.: KS2405S1691B01	
		ral Inform 基本资料		and the second		
Sample Name 样品名称	Rechargeable Li-ion Ba可充电锂离子电池	attery	Model Name 型号		CHAKRA 2.5-H Pro	
Rated 额定	51.2V, 50Ah		Watt-hour 瓦时		2560Wh	
Dimension 尺寸(L*W*H)	570.0*370.0*188.0 (mr		Weight 重量		Appr.: 30.6kg	
Sample Status 样品状态	Good 良好		Sample Informa 样品信息	ation	Battery(16S1P) 电池(16 串 1 并)	
Applicant 委托单位	Shenzhen EEnovance 深圳盛齐能源技术有限		nology CO.,LTD			
Applicant Address 委托单位地址	Room 401, Building 2, Community, Yutang St 深圳市光明区玉塘街道	reets, Guang	ming District, Sh	HENZH		
Factory 生产工厂	Dongguan EEnovance Energy Technology Co., Ltd. 东莞市盛齐能源技术有限公司					
Factory Address 生产工厂地址	Room 501, Building1, S Liaobu Yanhe Road, Li 广东省东莞市寮步镇寮	iaobu Town,	Dongguan City,	Guang		
Factory Telephone 生产工厂电话	+86-17346911803	Factory En		chent	@eenovance.com	
Factory Web 生产工厂网址	www.eenovance.com		Alice .		<u></u>	
Test Method & Criterion 检验方法及判定标准	UNITED NATION "Rec GOODS, Manual of Te 联会国《关于危险品货	st and Criter	a " ST/SG/AC.1	0/11/Re	ev.7/Amend.1 38.3	
Testing Laboratory 检测单位	联合国《关于危险品货物运输的建议书 试验和标准手册》第七修订版,修正 1 第 38.3 节 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	2024年05月10日       Test Date 测试日期       2024年05月10日至2024年05月28					
Conclusion 测试结论	nclusion The samples has passed the test items of UNITED NATION "Recommendations of UNITED NATION".					

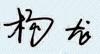
Tested By:

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									
T1	Altitude simulation / 高度模拟	See Appendix 1 见附表1	Passed 合格						
T2	Thermal test / 温度试验	See Appendix 2 见附表2	Passed 合格						
Т3	Vibration / 振动测试	See Appendix 3 见附表3	Passed 合格						
T4	Shock / 冲击测试	See Appendix 4 见附表4	Passed 合格						
T5	External short circuit / 外部短路	See Appendix 5 见附表5	Passed 合格						
То	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						
Т7	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	1) Impact test applicable to cylindrical cells not less than 18.0mm in diameter. 撞击试验适用于直径不小于 18.0mm 的圆柱形电芯。 2) Crush test applicable to prismatic, pouch, coin/button cells and cylindrical cells less than 18.0mm in diameter. 挤压试验适用于棱柱形、袋状、硬币/纽扣电芯和直径不超过 18.0mm 的圆柱形电芯。								

Test Item 测试项目	Sample No. 样品编号	Sample State 样品状态			
T1~T5	B01~B02	At first cycle, in fully charged states 第1个充放电周期,完全充电状态			
	B03~B04	After 25 cycles ending in fully charged states 第25个充放电周期,完全充电状态			
T6	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			
	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			
Т7	B07~B08	After 25 cycles ending in fully charged states 第25个充放电周期,完全充电状态			
Т8	C11~C20	At first cycle in fully discharged states 第1个充放电周期,完全放电状态			
	C21~C30	After 25 cycles ending in fully discharged states 第25个充放电周期,完全放电状态			

The above samples have been charged and discharged cycles by the factory as required before the test. 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 高度模拟						
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 ( $20\pm5$ °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( $20\pm5$ °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						

			<u> </u>				
Sample No. 样品编号	Before 测试前		After 测试后		Mass loss	Residual	
	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	30.60	53.65	30.60	53.62	0.00	99.94	0
B02	30.55	53.61	30.55	53.58	0.00	99.94	0
B03	30.56	53.62	30.56	53.57	0.00	99.91	0
B04	30.58	53.63	30.58	53.59	0.00	99.93	<b>O</b>

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					
	Test cells and batteries are to be stored for at least six hours at a test temperature equal to 72±2℃, followed by storage for at least six hours at a test temperature equal to -40±2℃. The maximum time interval between test temperature extremes in 30 minutes. This procedure is to be repeated until 10 total cycles are complete, after which all test cells and batteries are to be stored for 24 hours at ambient temperature (20±5℃). For large cells and batteries, the duration of exposure to the test temperature extremes should be at least 12 hours. 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. 将电芯和电池在温度为72±2℃的条件下贮存不少于6个小时,然后,在温度-40±2℃条件下贮存不少于6个小时,两个温度间的间隔最长为30min,重复操作上述步骤直到10次,然后,将其在环境温度为20±5℃的条件下放置24个小时。对于大型电池和电池组,暴露于极端试验温度的时间至少应为12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池或电池除外)。					

2.2 Result 测试结果

Comple No	Before 测试前		After 测试后		Mass loss	Residual	Task na svilk
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	30.60	53.62	30.60	53.29	0.00	99.38	0
B02	30.55	53.58	30.55	53.31	0.00	99.50	0
B03	30.56	53.57	30.56	53.22	0.00	99.35	0
B04	30.58	53.59	30.58	53.23	0.00	99.33	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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		Apper 附表				
Test Items 测试项目	Vibration 振动	) First				
3.1	Test procedure 测试步骤		Mi.			77
	Wixipus Cells and batteries a the cells in such a masinusoidal wave form traversed in 15minute three mutually perpe be perpendicular to t The logarithmic frequ than 12kg (cells and (large batteries). For cells and small b reached. The amplitu increased until a pea 8gn is then maintaine For large batteries: fr The amplitude is then until a peak accelera maintained until the f Cells and batteries m disassembly, no rupt testing is not less that relating to voltage is 将电芯和电池牢固地。 200Hz,然后再减少 三个互相垂直的方向 极性平面。 对于质量不大于 12kg 对于电芯和小电池, 振幅保持在 0.8mm (总偏移 度保持在 8gn 对于大电池,对数扫 持在 0.8mm (总偏移 度保持在 2gn 直到频 试验电芯或电池运无。	anner as to faithfully with a logarithmic ses, this cycle shall be ndicular mounting pothe terminal face. Juency sweep shall dismall batteries), and tatteries: from 7Hz a aude is then maintained is acceleration of 8gred until the frequency of 12gn occurs (a frequency is increased an maintained at 0.8m attion of 2gn occurs (a frequency is increased this requirement an 90% of its voltage not applicable to tesse be an early maintained to the set of 12 kg. The set of 13 kg. The set of 14 kg. The set of 15 kg. The	transmit the vib weep between e repeated 12 to besition of the ce ffer for cells and for batteries we peak acceleration ed at 0.8mm (1.1) in occurs (appro- y is increased to celeration of 10 mm (1.6mm total approximately 25 ed to 200Hz. if there is no me for the open circul immediately pro- t cells and batter by the cells and batter by the cells and batter company to the cells and batter than (1.6mm total approximately 25 ed to 200Hz. if there is no me for the open circul immediately pro- t cells and batter by the cells and batter than (1.6mm total approximately 25 ed to 200Hz. if there is no me for the open circul immediately pro- t cells and batter by the cells and batter than (1.6mm total approximately 25 ed to 200Hz. if there is no me for the open circul immediately pro- t the open circul immediately pro- it the open c	pration. The vill 7Hz and 200H mes for a tota II. One of the control of the cont	bration shall be lz and back to lof 3 hours for directions of very a gross mass as of more that the laintained untursion) and the laintained untursion and the laintained untursion and the laintained untursion) and the laintained untursion and laintaine	e a 7Hz reach of ibration must s of not more an 12kg il 18Hz is refrequency eleration of is reached. Incy increased f 2gn is then enting, no requirement es. 7Hz 增加至电芯和电社品的量频不同。Hz,然后将最大加速后将最大加速后将最大加速
	或电池在试验后的开!电池除外)。	<b>岭</b> 电压小少 ↑ 共住进	1) 这一风短用电	,压的 <b>90</b> %(元	5主从电仈态印	以风池电心以
3.2	Result 测试结果	X 10.30				
Sample No. 样品编号	样品质量 开路	After tage Mass 样品质量 V) (kg)	测试后 Voltage 开路电压 (V)	Mass loss 质量损失 (%)	Residual OCV 剩余电压 (%)	Test result 测试结果

( <u>0.00000000000000000000000000000000000</u>		100 (100 (100 (100 (100 (100 (100 (100	7/4000/00/09		(A)		
B01	30.60	53.29	30.60	53.24	0.00	99.91	0
B02	30.55	53.31	30.55	53.29	0.00	99.96	0
B03	30.56	53.22	30.56	53.20	0.00	99.96	0
B04	30.58	53.23	30.58	53.19	0.00	99.92	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 %。

				\ <u>\</u>		24			
	Appendix 4 附表 4								
Test Items 测试项目 冲击									
	4.1	Test procedure 测试步骤							
F. 31. 7		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 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 batteries and 11 milliseconds for large batteries. The formulas below are provided to calculate the appropriate minimum peak accelerations.  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值加速度。							
			Small batteries	Minimum peak acceleration  150 gn or result of formula $ \sqrt{\frac{100850}{\text{mass}^*}} $ Acceleration(gn)=	Pulse duration 6 ms	2			
	. 200		Large batteries	whichever is smaller 50 gn or result of formula $ \sqrt{\frac{30000}{\text{mass}^*}} $ Acceleration(gn)= $\sqrt{\frac{\text{mass}^*}{\text{mass}}}$	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.

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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)

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

239 3 X X X X X								
Sample No. 样品编号	Before 测试前		After 测试后		Mass loss	Residual		
	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	30.60	53.24	30.60	53.22	0.00	99.96	0	
B02	30.55	53.29	30.55	53.26	0.00	99.94	0	
B03	30.56	53.20	30.56	53.19	0.00	99.98	0	
B04	30.58	53.19	30.58	53.17	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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	Appendi 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 heate homogeneous stabilized temperature of 57 ± time depends on the size and design of the concumented. If this assessment is not feasible small cells and small batteries, and 12 hours battery at 57 ± 4 °C shall be subjected to one resistance of less than 0.1 ohm. This short circuit condition is continued for attemperature has returned to 57 ± 4 °C, or in half of the maximum temperature increase of value.  The short circuit and cooling down phases should be compared to the short circuit and cooling down phases should be compared to the short circuit and cooling down phases should be compared to the short circuit and cooling down phases should be compared to the short circuit and cooling down phases should be compared to the short circuit and cooling down phases should be short circuit and	4°C, measured on the excell or battery and should be le, the exposure time shall for large cells and large be short circuit condition with least one hour after the cathe case of the large batter be served during the test and heir external temperature of the 4°C后,再进行外部短路口果这个评估无法进行,那么12小时。然后电芯或电池在转续1小时,大型电池短路沿	ternal case. This period of e assessed and be at least 6 hours for atteries. Then the cell or n a total external case ries, has decreased by d remains below that at ambient temperature. does not exceed 170℃ his test.  ②短路的时间取决于电芯公小电芯和小电池短路时至57±4℃环境下经受一个阻					
5.2	Result 测试结果		N <sub>ik</sub>					
Sample No. 样品编号	Max. External Tempera 样品表面最高温度(℃	20 Nilly 7 (100 )	Test result 测试结果					
B01	58.6 O							
B02	58.7 O							
B03	58.9	58.9 O						
B04	58.3 O							

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°C 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 24.6 C02 24.7 0 C03 24.4 0 0 C04 24.1 C05 24.5 0 C06 24.8 0 C07 24.0 0 C08 0 23.8 C09 23.9 0 C10 24.2 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 测试项目	Overcharge 过度充电							
7.1	Test procedure 测试步骤	× ·						
	The charge current shall be twice the manufact charge current. The duration of the test shall be be as follows: 充电电流必须是制造商建议的最大持续充电电流下:  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 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 charge voltage is more than 18V, the minimum voltage of the test shall be 1.2 times maximum charge voltage.  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超过 18V,本测试的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。	E 24 hours. The minimun 说的两倍,测试时间为 24 N/A 不适用  The specified maximun 56.16V;	n voltage of the test shall 小时。试验的最小电压如 n charge voltage is n charge current is 50A; 39V; A. 压为 56.16V;					
7.2 Sample No.	测试结果  Voltage Before test(V)	3	Test result					
样品编号	测试前开路电压(V)		测试结果					
B05	53.64		0					
B06	53.60		0					
B07	53.61		0					
B08	53.62		0					
5			5					

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

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Appendix 8 附表 8								
Test Items 测试项目	Forced discharge 强制放电		N. Control of the Con					
8.1	Test procedure 测试步骤				3			
	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	2.675	0			
C12	2.684	0	C22	2.674	0			
C13	2.685	0	C23	2.673	0			
C14	2.681	0	C24	2.677	0			
C15	2.686	0	C25	2.678	<b>~</b> 0			
C16	2.689	0	C26	2.671	0			
C17	2.685	o	C27	2.675	0			
C18	2.682	0	C28	2.672	0			
C19	2.684	<u> </u>	C29	2.671	0			
C20	2.680	0	C30	2.674	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

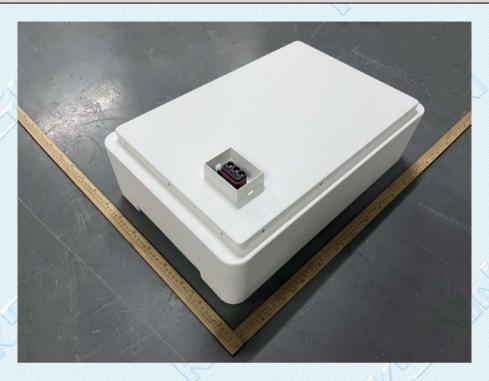


Figure 1 Front view of battery



Figure 2 Back view of battery

# Photos of samples 样品图片



Figure 3 Front view of cell

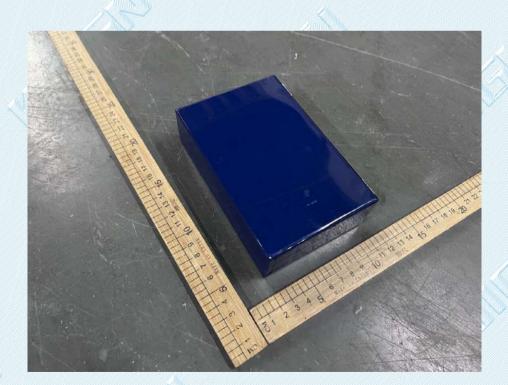


Figure 4 Back view of cell

### **Photos of samples**

样品图片



Rechargeable Li-ion Battery

IFpP/41/150/102/[1p16S]M/-10+50/95

Model: CHAKRA 2.5-H Pro Ratings: 2560Wh/51.2V/50Ah Max. Output Power: 2.5KW Charge Voltage: 56.16V

#### **CAUTION!**



- · Do not disassmble
- · Do not place in fire or near hot source
- · Do not short-circuit
- · Please read user manual carefully

#### Shenzhen EEnovance Energy Technology CO.,LTD

Room 401, Building 2, Yufengda Industrial Park, No. 1008 Guangqiao Avenue, Yulv Community, Yutang Streets, Guangming District, SHENZHEN.PRC.







#### **DANGER!** Chemical Hazard & Shock Hazard

- Do not disassemble of repair by yourself.
  Do not drop, deform, impact, cut or spearing with a sharp object.
  Do not place near open flame or incinerate.
- Do not put any objects onto the battery.

- Do not allow to contact with liquid.
  Keep out of reach of children, animals or insects.
  Contact the supplier within 24 hours if anything wrong.

Stop the battery operation immediately to secure the battery safety when environmental temperature is over working temperature (suitable operation temperature is 0~45°C). If battery is at high temperature usually, it will impact battery performance.

















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"检验检测专用章"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.

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--- End of Report ---

报告结束