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UN38.3 报告

UN38.3 Test Report

样品名称：　磷酸铁锂电池

Sample Name: **Lithium Iron Phosphate Battery**

委托单位：　广州菲利斯太阳能科技有限公司

Applicant: **Guangzhou Felicity Solar Technology Co., Ltd.**

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检 测 证 书
TEST REPORT

样品名称 Sample Name	磷酸铁锂电池 Lithium Iron Phosphate Battery		
型号 Model	FLH96050SMG2-H		
委托单位 Applicant	广州菲利斯太阳能科技有限公司 Guangzhou Felicity Solar Technology Co., Ltd.		
委托单位地址 Applicant Address	广州市白云区人和镇东华华业路 2 号、4 号、6 号、8 号、10 号、12 号（空港白云） (Airport Baiyun) No.2, 4, 6, 8, 10 and 12 Donghua Huaye Road, Renhe Town, Baiyun District, Guangzhou, Guangdong, P.R. China		
生产单位 Manufacture	广州菲利斯太阳能科技有限公司 Guangzhou Felicity Solar Technology Co., Ltd.		
生产单位地址 Manufacture Address	广州市白云区江高镇白云 1 号硬科技产业园 No.1 Hard Technology Industrial Park, Jianggao Town, Baiyun District, Guangzhou, Guangdong, P.R. China		
样品外观 Appearance	白色金属外壳 White metal shell		
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建议书 试验和标准手册》ST/SG/AC.10/11/Rev.8, 38.3 UNITED NATIONS “Recommendations on the TRANSPORT OF DANGEROUS GOODS”, Manual of Tests and Criteria ST/SG/AC.10/11/Rev.8, 38.3		
接样时间 Accepted date	2026-06-01	测试日期 Test date	2026-06-01~2026-07-01
测试项目 Test items	高度模拟、温度试验、振动、冲击、外部短路、*挤压、过度充电、*强制放电。 Altitude simulation, Thermal test, Vibration, Shock, External short circuit, Crush, Overcharge, Forced discharge.		
结论 Conclusion	经测试，该样品符合联合国《关于危险货物运输的建议书 试验和标准手册》ST/SG/AC.10/11/Rev.8, 38.3 标准要求。 The sample has passed the test items of UNITED NATIONS “Recommendations on the TRANSPORT OF DANGEROUS GOODS”, Manual of Test and Criteria ST/SG/AC.10/11/Rev.8, 38.3.		
备注 Remark	1.随附 UN38.3 试验概要（编号：1126002857-2）。 Attached with UN38.3 test summary (No.: 1126002857-2). 2.本报告中带*标识的项目摘用威凯检测技术有限公司（CMA：220020349627，CNAS L0095）报告编号：RZUN2025-2387。 This report includes items marked with * which are excerpted from the report (No. RZUN2025-2387) issued by CVC Testing Technology Co., Ltd. (CMA: 220020349627, CNAS: L0095)		

批准 Approver：邓初晖 审核 Checker：叶中轩 拟制 Preparer：周伟光

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电池组信息：

The batteries information:

电池类型 Battery type	锂离子电池 Lithium ion batteries	标称电压 Nominal Voltage	102.4V
额定容量 Rated Capacity	50Ah	总能量 Total Energy	5.12kWh
充电截止电压 Charge Cut-off Voltage	115.2V	标准充电电流 Standard Charge Current	25A
最大充电电流 Maximum Charge Current	50A	充电截止电流 Charge Cut-off Current	/
标准放电电流 Standard discharge Current	25A	最大放电电流 Maximum Discharge Current	50A
放电截止电压 Discharge Cut-off Voltage	92.8V	物理形状说明 Physical description	长方体 Cuboid
电芯数量 Cell Quantity	32PCS	重量 Weight	56.5kg±3%
电芯型号 Cell Model	CB3914895EA	电芯容量 Cell Capacity	50Ah
电芯生产单位 Manufacturer of cell	瑞浦兰钧能源股份有限公司 REPT BATTERO Energy Co., Ltd.		

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序号 No.	测试项目名称 Name of test	标准要求或标准条款号 Standard requirement or the clause number of standard	测试结果 Test result	本项结论 Test conclusion	备注 Remark
1	高度模拟 Altitude simulation	联合国《关于危险货物运输的建议书 试验和标准手册》UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.8, 38.3 试验 T.1 Test T.1	见附表 1 See Appendix 1	合格 Passed	/
2	温度试验 Thermal test	联合国《关于危险货物运输的建议书 试验和标准手册》UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.8, 38.3 试验 T.2 Test T.2	见附表 2 See Appendix 2	合格 Passed	/
3	振动 Vibration	联合国《关于危险货物运输的建议书 试验和标准手册》UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.8, 38.3 试验 T.3 Test T.3	见附表 3 See Appendix 3	合格 Passed	/
4	冲击 Shock	联合国《关于危险货物运输的建议书 试验和标准手册》UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.8, 38.3 试验 T.4 Test T.4	见附表 4 See Appendix 4	合格 Passed	/
5	外部短路 External short circuit	联合国《关于危险货物运输的建议书 试验和标准手册》UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.8, 38.3 试验 T.5 Test T.5	见附表 5 See Appendix 5	合格 Passed	/
6	*挤压 Crush	联合国《关于危险货物运输的建议书 试验和标准手册》UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.8, 38.3 试验 T.6 Test T.6	见附表 6 See Appendix 6	合格 Passed	/
7	过度充电 Overcharge	联合国《关于危险货物运输的建议书 试验和标准手册》UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.8, 38.3 试验 T.7 Test T.7	见附表 7 See Appendix 7	不适用 Not applicable	/
8	*强制放电 Forced discharge	联合国《关于危险货物运输的建议书 试验和标准手册》UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.8, 38.3 试验 T.8 Test T.8	见附表 8 See Appendix 8	合格 Passed	/
测试环境 Test environment condition		环境温度：20℃-25℃；环境湿度：45%-75% Ambient temperature: 20℃-25℃, Ambient humidity: 45%-75%			

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序号 No.	附表 1 Appendix 1	测试项目名称 Name of test	高度模拟 Altitude simulation

标准要求 Requirement of Standard	试验电池或电池组在压力等于或低于 11.6kPa 和环境温度 20±5℃下存放至少 6h。试验电池或电池组应无重量损失、无渗漏、无排气、无解体、无破裂和无燃烧，并且每个试验电池或电池组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组除外）。 Test cells and batteries shall be stored at a pressure of 11.6kPa or less for at least six hours at ambient temperature 20±5℃. Cells and batteries meet this requirement if there is no Weight 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.
样品状态 Sample status	b1#~b2#：第一个循环完全充电的电池； b1#~b2#: first cycle in fully charged states; b3#~b4#：第二十五个循环完全充电的电池。 b3#~b4#: after 25 cycles ending in fully charged states.

样品编号 Sample No.	测试前 Before		测试后 After		质量损失 Weight loss (%)	剩余电压 Residual OCV(%)	测试结果 Test result
	电池质量 m_1(kg)	开路电压 v_1(V)	电池质量 m_2(kg)	开路电压 v_2(V)			
b1#	56.282	106.8	56.280	106.7	0.00	99.91	O
b2#	55.898	106.7	55.898	106.7	0.00	100.00	O
b3#	56.314	106.8	56.312	106.8	0.00	100.00	O
b4#	56.130	106.9	56.130	106.8	0.00	99.91	O

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.	附表 2 Appendix 2	测试项目名称 Name of test	温度试验 Thermal test

标准要求 Requirement of Standard	试验大型电池或电池组在试验温度等于 72±2℃下存放至少 12h，接着在试验温度等于-40±2℃下存放至少 12h。两个极端试验温度之间的最大时间间隔为 30min。重复 10 次，再将所有试验电池或电池组在环境温度 20±5℃下存放 24h。试验电池或电池组应无重量损失、无渗漏、无排气、无解体、无破裂和无燃烧，并且每个试验电池或电池组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组除外）。 Test large cells and batteries are to be stored for at least 12 hours at a test temperature equal to 72±2 ℃, followed by storage for at least 12 hours at a test temperature equal to -40±2℃. 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℃). Cells and batteries meet this requirement if there is no Weight 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.
样品状态 Sample status	b1#~b2#：第一个循环完全充电的电池； b1#~b2#: first cycle in fully charged states; b3#~b4#：第二十五个循环完全充电的电池。 b3#~b4#: after 25 cycles ending in fully charged states.

样品编号 Sample No.	测试前 Before		测试后 After		质量损失 Weight loss (%)	剩余电压 Residual OCV(%)	测试结果 Test result
	电池质量 m_1(kg)	开路电压 v_1(V)	电池质量 m_2(kg)	开路电压 v_2(V)			
b1#	56.280	106.7	56.280	106.2	0.00	99.53	O
b2#	55.898	106.7	55.896	106.1	0.00	99.44	O
b3#	56.312	106.8	56.312	106.2	0.00	99.44	O
b4#	56.130	106.8	56.128	106.0	0.00	99.25	O

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.	附表 3 Appendix 3	测试项目名称 Name of test	振动 Vibration

标准要求 Requirement of Standard	将大型电池或电池组直接安装或通过夹具安装在振动台的台面上，用正弦波，从 7Hz 开始,保持 $1g_n$ 的最大加速度,直到 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 $2g_n$(频率约为 25Hz).将最大加速度保持在 $2g_n$ 直到频率增加到 200Hz。对三个互相垂直的电池或电池组安装方向的每个方向重复进行 12 次，一共振动 3h。试验电池或电池组应无重量损失、无渗漏、无排气、无解体、无破裂和无燃烧，并且每个试验电池或电池组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组除外）。 The large 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 from 7Hz to a peak acceleration of $1g_n$ is maintained until 18Hz is reached. The amplitude is then maintained at 0.8mm (1.6mm total excursion) and the frequency increased until a peak acceleration of $2g_n$ occurs (approximately 25Hz). A peak acceleration of $2g_n$ is then maintained until the frequency is increased to 200Hz. 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. Cells and batteries meet this requirement if there is no Weight 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.
样品状态 Sample status	b1#~b2#：第一个循环完全充电的电池； b1#~b2#: first cycle in fully charged states; b3#~b4#：第二十五个循环完全充电的电池。 b3#~b4#: after 25 cycles ending in fully charged states.

样品编号 Sample No.	测试前 Before		测试后 After		质量损失 Weight loss (%)	剩余电压 Residual OCV(%)	测试结果 Test result
	电池质量 m_1(kg)	开路电压 v_1(V)	电池质量 m_2(kg)	开路电压 v_2(V)			
b1#	56.280	106.2	56.280	106.2	0.00	100.00	O
b2#	55.896	106.1	55.896	106.1	0.00	100.00	O
b3#	56.312	106.2	56.312	106.2	0.00	100.00	O
b4#	56.128	106.0	56.128	106.0	0.00	100.00	O

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.	附表 4 Appendix 4	测试项目名称 Name of test	冲击 Shock

标准要求 Requirement of Standard	将电池或电池组用坚硬支架紧固在试验装置上，对于大型电池组，以加速度为 $50g_n$ 或 $g_n=\sqrt{(30000 / mass)}$ 中较小者的正弦波冲击，脉冲持续时间 11ms，按三个相互垂直的轴向分别对其正负极各冲击 3 次，共冲击 18 次。各试验电池或电池组应无重量损失、无渗漏、无排气、无解体、无破裂和无燃烧，并且每个试验电池或电池组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组除外）。 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 Large batteries shall be subjected to a half-sine shock of peak acceleration of $50g_n$ or acceleration $(g_n)=\sqrt{(30000 / mass)}$ and pulse duration of 11 milliseconds. Each cell or battery shall be 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 or battery for a total of 18 shocks. Cells and batteries meet this requirement if there is no Weight 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: Weight is express in kilograms)
样品状态 Sample status	b1#~b2#：第一个循环完全充电的电池； b1#~b2#: first cycle in fully charged states; b3#~b4#：第二十五个循环完全充电的电池。 b3#~b4#: after 25 cycles ending in fully charged states.

样品编号 Sample No.	测试前 Before		测试后 After		质量损失 Weight loss (%)	剩余电压 Residual OCV(%)	测试结果 Test result
	电池质量 m_1(kg)	开路电压 v_1(V)	电池质量 m_2(kg)	开路电压 v_2(V)			
b1#	56.280	106.2	56.280	106.2	0.00	100.00	O
b2#	55.896	106.1	55.896	106.1	0.00	100.00	O
b3#	56.312	106.2	56.312	106.2	0.00	100.00	O
b4#	56.128	106.0	56.128	106.0	0.00	100.00	O

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.	附表 5 Appendix 5	测试项目名称 Name 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±4℃后，在 57±4℃下使电池或电池组经受总外电阻小于 0.1Ω的短路条件，当电池或电池组外壳温度回到 57±4℃后继续至少 1h，然后短路断开，再观察电池或电池组 6h 才结束试验。电池或电池组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。 The cell or battery to be tested shall be temperature stabilized so that its external case temperature reaches 57±4℃ and then the cell or battery shall be subjected to a short circuit condition with a total external resistance of less than 0.1 ohm at 57±4℃. This short circuit condition is continued for at least one hour after the cell or battery external case temperature has returned to 57±4℃. The cell or battery must be observed for a further six hours for the test to be concluded. 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.		
样品状态 Sample status	b1#~b2#：第一个循环完全充电的电池； b1#~b2#: first cycle in fully charged states; b3#~b4#：第二十五个循环完全充电的电池。 b3#~b4#: after 25 cycles ending in fully charged states.		

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
b1#	103.4	O	/
b2#	82.3	O	/
b3#	88.5	O	/
b4#	90.4	O	/

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	*挤压 Crush

标准要求 Requirement of Standard	（适用于棱柱形、袋装、硬币/纽扣电池和直径小于 18mm 的圆柱形电池）： 将电池或元件电池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即解除压力： (a)施加的力量达到 13kN±0.78kN； (b)电池的电压下降至少 100 毫伏；或 (c)电池变形量达原始厚度的 50％或以上。 棱柱形或袋装电池应从最宽的一面施压。纽扣/硬币电池应从其平坦表面施压。圆柱形电池应从与纵轴垂直的方向施压。每个电池只做一次挤压试验。 试验电池或电池组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。 Crush (applicable to prismatic, pouch, coin/button cells and cylindrical cells not more than 18 in diameter): 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 at least 100mV or more, or the cell is deformed by at least 50% of its original thickness, the pressure shall be released. Each test cell or component cell is to be subjected to one crush only. 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.
样品状态 Sample status	C1#~C5#：第一个循环 50%的额定容量的电芯。 C1#~C5#: first cycle at 50% of the design rated capacity of cell. C6#~C10#：第二十五个循环 50%的额定容量的电芯。 C6#~C10#: after 25 cycles at 50% of the design rated capacity of cell.

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
C1#	24.5	O	/	C6#	24.4	O	/
C2#	24.6	O	/	C7#	24.4	O	/
C3#	24.6	O	/	C8#	24.6	O	/
C4#	24.5	O	/	C9#	24.5	O	/
C5#	24.5	O	/	C10#	24.6	O	/

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最大连续充电电流的两倍，试验的最小电压应为如下： （a）制造商建议的充电电压不大于 18V 时，试验的最小电压应是电池组最大充电电压的两倍或 22V 两者中的较少者。 （b）制造商建议的充电电压大于 18V 时，试验的最小电压应是最大充电电压的 1.2 倍。 可再充电电池组在环境温度下试验 24h。试样在试验后 7 天内应无解体和无燃烧。 The charge current shall be twice the manufacturer's recommended maximum continuous charge current. The minimum voltage of the test shall be as follows: (a) 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) 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. Tests are to be conducted at ambient temperature. The duration of the test shall be 24 hours. Rechargeable batteries meet this requirement if there is no disassembly and no fire within seven days of the test.		
样品状态 Sample status	/		

样品编号 Sample No.	测试结果 Test result	备注 Remark
/	/	未安装过度充电保护装置、按设计要求只能用在另一个带过度充电保护装置的电池组或设备中的电池组或单一电池电池组，无需满足本项试验的要求。 Batteries or single cell batteries not equipped with battery overcharge protection that are designed for use only as a component in another battery or in equipment, which affords such protection, are not subject to the requirements of this test.
/	/	
/	/	
/	/	

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	测试项目名称 Name of test	*强制放电 Forced discharge
标准要求 Requirement of Standard	试验原电池或可再充电电池在环境温度下与 12V 的直流电源串联，在起始电流等于制造商给定的最大放电电流的条件下强制放电。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。 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. 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.		
样品状态 Sample status	C11#~C20#：第一个循环完全放电的电芯； C11#~C20#: first cycle in fully discharged states; C21#~C30#：第二十五个循环完全放电的电芯。 C21#~C30#: after 25 cycles in fully discharged states.		

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
C11#	O	/	C21#	O	/
C12#	O	/	C22#	O	/
C13#	O	/	C23#	O	/
C14#	O	/	C24#	O	/
C15#	O	/	C25#	O	/
C16#	O	/	C26#	O	/
C17#	O	/	C27#	O	/
C18#	O	/	C28#	O	/
C19#	O	/	C29#	O	/
C20#	O	/	C30#	O	/

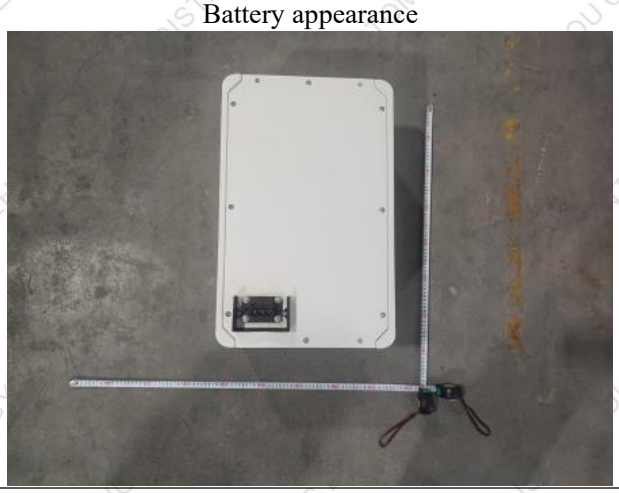
注： D-解体； R-破裂； F-起火； O-无解体、无破裂、无起火。
Note: D-Disassembly, R-Rupture, F-Fire, O-No Disassembly, No Rupture & No Fire.

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样品图片
Photo of the sample

电池外观
Battery appearance



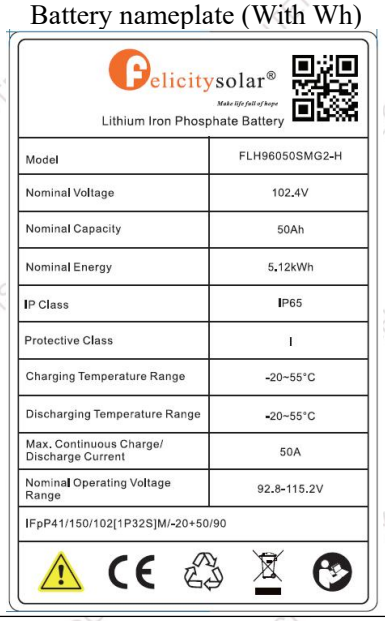
电池外观
Battery appearance



电池外观
Battery appearance



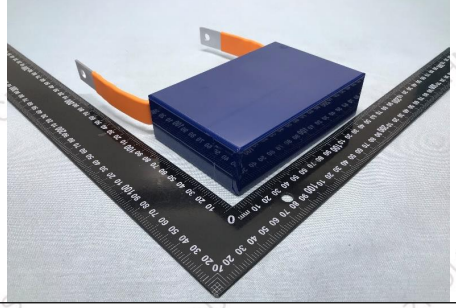
电池铭牌(含 Wh)
Battery nameplate (With Wh)



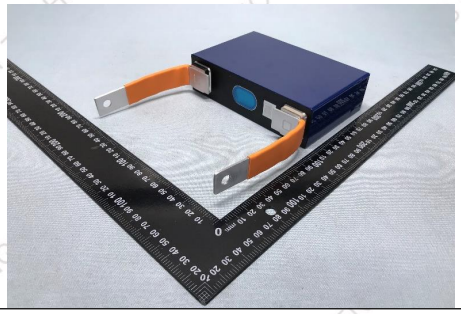
Felicitysolar®
Make life full of hope
Lithium Iron Phosphate Battery

Model	FLH96050SMG2-H
Nominal Voltage	102.4V
Nominal Capacity	50Ah
Nominal Energy	5.12kWh
IP Class	IP65
Protective Class	I
Charging Temperature Range	-20~55°C
Discharging Temperature Range	-20~55°C
Max. Continuous Charge/ Discharge Current	50A
Nominal Operating Voltage Range	92.8~115.2V
IFpP41/150/102[1P32S]M/-20+50/90	

电芯
Cell



电芯
Cell



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