

广州海关技术中心



No:





01112100003551-1(E)

地址:中国广东省广州市天河区珠江新城花城大道66号B座 Add.: Tower B, No.66 Huacheng Avenue, Zhujiang Xincheng, Tianhe District, Guangzhou, Guangdong, P.R.C.

邮箱Email: ppdc@iqtcnet.cn 网址Website: https://www.iqtcnet.cn

2022-01-21 Date: of 14

UN38.3 报告 **UN38.3 Test Report**

样品名称:

Sample Name: LiFePO4 Battery

广州菲利斯太阳能科技有限公司 委托单位:

Applicant: Guangzhou Felicity Solar Technology Co., Ltd



XG5SM6O7BX

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检测证书

00	TEST REPORT	3. THO CITY
样品名称 Sample Name	磷酸铁锂电池组 LiFePO4 Battery	CULING
型号 Model	LPBA48170	St. Cathagas Mario
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	CHMOLOG BLCT TECK
委托单位地址 Applicant Address	广东省广州市白云区人和镇东华工业区东华兴富街 No.23, xingfu street, renhe town, baiyun district, guanga	
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	101CUST LANGTHO
生产单位地址 Manufacture Address	广东省广州市白云区人和镇东华工业区东华兴富街 No.23, xingfu street, renhe town, baiyun district, guang	
样品外观与性状 Appearance & Odor	白色金属外壳 White metal shell	ERALLE LOCA CO.
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 UNITED NATIONS "Recommendations on the TRAN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.7, 38	SPORT OF DANGEROUS GOODS",
接样时间 Accepted date	2021-12-17 测试日期 Test date	2021-12-17~2022-01-20
测试项目 Test items	高度模拟、温度试验、振动、冲击、外部短路、挤力Altitude simulation, Thermal test, Vibration, Shock, ExForced discharge.	
结论 Conclusion	经测试,该样品符合联合国《关于危险货物运ST/SG/AC.10/11/Rev.7,38.3 标准要求。 The sample has passed the test items of UNITED TRANSPORT OF DANGEROUS GOODS",ST/SG/AC.10/11/Rev.7,38.3.	4
备注 Remark	1.随附 UN38.3 试验概要(编号: 01112100003551-2 Attached with UN38.3 test summary (No.: 01112100	
bt sh	H11- 5	1.14

Approver:

Appraiser:

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电池组信息:

The batteries information:

电池类型 Battery type	磷酸铁锂电池组 LiFePO4 Battery	标称电压 Nominal Voltage	51.2 V
额定容量 Rated Capacity	170Ah	总能量 Total Energy	8700Wh
充电限制电压 Limited Charge Voltage	57.6V	标准充电电流 Standard Charge Current	80A
最大充电电流 Maximum Charge Current	120A	充电截止电流 Charge Cut-off Current	CUSTOMS / GIHOUC
标准放电电流 Standard discharge Current	80A	最大放电电流 Maximum Discharge Current	120A
放电截止电压 Discharge Cut-off Voltage	48V	物理形状说明 Physical description	长方体 Cuboid
电芯数量 Cell Quantity	16 PCS	重量 Mass	70kg
电芯容量 Cell Capacity	170Ah	电芯型号 Cell Model	FLS-LFP6228082-170A
电芯生产单位 Manufacturer of cell		州菲利斯太阳能科技有限。 hou Felicity Solar Technolog	. ('2"

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序号 No.	测试项目名称 Name of test	Stand requirement	或标准条款- or the clause andard		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《关于危险和标准手册》UN Criteria ST/SG/AC. T.1 Test T.1	Manual of	Tests and	见附表 1 See Appendix 1	合格 Passed	1 NOTO
2	温度试验 Thermal test	联合国《关于危险和标准手册》UN Criteria ST/SG/AC. T.2 Test T.2	Manual of	Tests and	见附表 2 See Appendix 2	合格 Passed	/
3	振动 Vibration	联合国《关于危险》和标准手册》UN Criteria ST/SG/AC. T.3 Test T.3	Manual of	Tests and	见附表 3 See Appendix 3	合格 Passed	3THO1GO
4	冲击 Shock	联合国《关于危险和标准手册》UN Criteria ST/SG/AC. T.4 Test T.4	Manual of	Tests and	见附表 4 See Appendix 4	合格 Passed	/ Jennik
OMS D	外部短路 External short circuit	联合国《关于危险》和标准手册》UN Criteria ST/SG/AC. T.5 Test T.5	Manual of	Tests and	见附表 5 See Appendix 5	合格 Passed)
6	挤压 Crush	联合国《关于危险的和标准手册》UN Criteria ST/SG/AC. T.6 Test T.6	Manual of	Tests and	见附表 6 See Appendix 6	合格 Passed	STOMS !
7	过度充电 Overcharge	联合国《关于危险和标准手册》UN Criteria ST/SG/AC. T.7 Test T.7	Manual of	Tests and	见附表 6 See Appendix 6	合格 Passed	,
8	强制放电 Forced discharge	联合国《关于危险和标准手册》UN Criteria ST/SG/AC. T.8 Test T.8	Manual of	Tests and	见附表 8 See Appendix 8	合格 Passed	1,00
Test e	测试环境 environment condition				境湿度:45% mbient humidi		RIV
	Still of	测试项目 Test items	aici	KE .	SUST	USTOM	-1HC
Subco	分包测试情况 ontracted test condition	分包实验室 Subcontracted	名称 Name	Justo	.33	邮编 Post code	JAN,
		Laboratory	地址 Address	THOU !	SURVE	电话 Tel	/

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70	· (2)						
序号 No.		附表 1 pendix 1	STONE	测试项目名称 Name of test		高度模: Altitude sim	
标准要求 Requirement of Standard	池组应无重量 在试验后的开 组除外)。 Test cells and be temperature 20 venting, no dis- battery after tes	池组在压力等- 损失、无渗漏、 路电压不少于。 patteries shall be ±5℃. Cells and assembly, no rusting is not less to lating to voltage	无排气、无焦 其在进行这一记 stored at a pres batteries meet pture and no fir than 90% of its	解体、无破裂系式验前电压的的 ssure of 11.6kF this requirement and if the open voltage immed	和无燃烧,并_ 90%(完全放 Pa or less for at nt if there is no en circuit voltag liately prior to t	且每个试验电流 电状态的试验 least six hours mass loss, no l ge of each test of this procedure.	他或电池组 电池或电池 at ambient eakage, no cell or The
样品状态 Sample status	b1#~b2#: firs b3#~b4#: 第二	一个循环完全充 st cycle in fully o 二十五个循环完 er 25 cycles end	charged states; 全充电的电池				
.25	119	C)	g	iged states.	CD,		-0.75
举品编号	测试前	Before	测试后	,0,	质量损失	剩余电压	测강结里
样品编号 Sample No.	测试前 电池质量 m _l (kg)	Before 开路电压 v _I (v)		,0,	质量损失 Mass loss (%)	剩余电压 Residual OCV(%)	测试结果 Test result
70	电池质量	开路电压	测试后电池质量	After 开路电压	Mass loss	Residual	
Sample No.	电池质量 m _l (kg)	开路电压 V _I (v)	测试后 电池质量 m ₂ (kg)	开路电压 V2(v)	Mass loss (%)	Residual OCV(%)	Test result
Sample No.	电池质量 m _l (kg) 69.804	开路电压 v ₁ (v) 53.4	测试后 电池质量 m ₂ (kg) 69.804	开路电压 v ₂ (v) 53.4	Mass loss (%) 0.00	Residual OCV(%)	Test result

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.		表 2 endix 2		l试项目名称 Name of test	78,	温度试 Thermal	
标准要求 Requirement of Standard	下存放至少 12 验电池或电池 无排气、无解 其在进行这一 Test large cells 72±2℃, follow maximum time repeated 10 tim temperature (20 no venting, no battery after tes	或电池组在试验加度。两个极端的组在环境温度体、无破裂和试验前电压的 and batteries are yed by storage for interval betweenes, after which 0±5℃). Cells are disassembly, no sting is not less lating to voltage	太验温度之间的 20±5℃下存放 无燃烧,并且4 90%(完全放 re to be stored for at least 12 ho en test temperate all test cells and batteries medorupture and no than 90% of its	的最大时间间隔 24h。试验电池 每个试验电池写 电状态的试验 or at least 12 hours at a test term ure extremes is d batteries are to this requirement of fire and if the ovoltage immed	B为 30min。 id 数 电 地组 应	重复10次,再无重量损失、 无重量损失、 验后的开路电 1除外)。 emperature equal to -40±2℃.' This procedure r 24 hours at an no mass loss, r oltage of each this procedure	F将所有试 无渗漏、 L压不少于 ual to The is to be mbient no leakage, test cell or e. The
** 1 1 1 4		一个循环完全充		HOD	CULTO		N. S. C.
样品状态 Sample status	b3#~b4#: 第二	st cycle in fully 二十五个循环完 er 25 cycles end	全充电的电池			, de	
Sample	b3#~b4#: 第二	二十五个循环完 er 25 cycles end	在充电的电池 ling in fully cha		质量损失	剩余电压	bed vis AL bu
Sample	b3#~b4#:第二 b3#~b4#: afte	二十五个循环完 er 25 cycles end	在充电的电池 ling in fully cha	rged states.	质量损失 Mass loss (%)	剩余电压 Residual OCV(%)	
Sample status 样品编号	b3#~b4#: 第二 b3#~b4#: afte 测试前 电池质量	二十五个循环完 er 25 cycles end Before 开路电压	E全充电的电池 ing in fully cha 测试后 电池质量	rged states. After 开路电压	Mass loss	Residual	测试结果 Test result O
Sample status 样品编号 Sample No.	b3#~b4#: 第二 b3#~b4#: afte 测试前 电池质量 m _I (kg)	二十五个循环完 er 25 cycles end Before 开路电压 VI(V)	E全充电的电池 ing in fully cha 测试后 电池质量 m ₂ (kg)	rged states. After 开路电压 v ₂ (v)	Mass loss (%)	Residual OCV(%)	Test result
Sample status 样品编号 Sample No.	b3#~b4#: 第二 b3#~b4#: afte 测试前 电池质量 m _I (kg) 69.804	E十五个循环完er 25 cycles end Before 开路电压 V1(v) 53.4	E全充电的电池 ing in fully cha 测试后 电池质量 m ₂ (kg) 69.800	开路电压 v ₂ (v)	Mass loss (%) 0.01	Residual OCV(%)	Test result O

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.		付表 3 pendix 3	STOW	测试项目名称 Name of test	Sus I	振 > Vibrat	
标准要求 Requirement of Standard	Ign的最大加速速度达到 2gn(的电池或电池或电池损失、无渗漏电压不少于其The large Cells distorting the cosinusoidal wave until 18Hz is refrequency increof 2gn is then matimes for a total of the direction requirement if the open circ immediately pr	电池组直接安装速度,直到 18Hz。 频率约为 25Hz) 组安装方向的每 无排气这一试验 and batteries are ells in such a ma eform with a log eached. The amp eased until a peal naintained until t l of 3 hours for each chere is no mass uit voltage of each ior to this proced fully discharged	然后将振幅 .将最大加速是 体、无破裂和 全前电压的 90 e firmly secure .nner as to faitl arithmic swee litude is then r k acceleration he frequency i each of three m ust be perpend loss, no leakag ch test cell or l dure. The requ	保持在 0.8mm(度保持在 2gn 直 进行 12 次,一 口无燃烧,并且 %(完全放电: d to the platfor of tully transmit to p from 7Hz to a maintained at 0. of 2gn occurs (a s increased to 2 nutually perpendicular to the ter ge, no venting, no pattery after test	总偏移 1.6m 到频率增加 共振动 3h。i 每个试验电 状态的试验电 状态的试验电 the vibration. peak accelera 8mm (1.6mm approximately 00Hz. This cy dicular mount minal face. Co no disassemble ting is not less	m),并增加频率到 200Hz。对三 200Hz。对三 200Hz。对三 池或电池组在 i 池域电池组除 ation machine w The vibration of 1g _n is n total excursion of 25Hz). A peak ycle shall be reping positions of ells and batterie y, no rupture and the stan 90% of it	直到最大加 三个互相垂直 也组应无重量 式验后的开路 外)。 without hall be a naintained) and the acceleration peated 12 the cell. One s meet this id no fire and s voltage
样品状态 Sample status	b1#~b2#: firs b3#~b4#: 第二	-个循环完全充 t cycle in fully c 二十五个循环完 er 25 cycles endi	harged states; 全充电的电池				JETONE DETRI
拉口 炉 日	测试前	Before	测试后	f After	质量损失	剩余电压	加小山田
样品编号 Sample No.	电池质量 m _l (kg)	开路电压 V ₁ (v)	电池质量 m ₂ (kg)	开路电压 V ₂ (v)	Mass loss (%)	Residual OCV(%)	测试结果 Test result
b1#	69.800	53.3	69.800	53.3	0.00	100.00	0
b2#	69.802	53.1	69.802	53.1	0.00	100.00	O'China
b3#	69.804	53.2	69.800	53.1	0.01	99.81	STR-O
b4#	69.800	53.3	69.800	53.3	0.00	100.00	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.		附表 4 opendix 4	ETOME	测试项目名 Name of te		冲 _克 Sho	
TECO TOME	g _n =√(30000 / 1 其正负极各冲 解体、无破裂 验前电压的 90	组用坚硬支架紧 mass)中较小者的 击3次,共冲击 和无燃烧,并且 0%(完全放电料	的正弦波冲击 5 18 次。各试 每个试验电池 状态的试验电	,脉冲持续时 验电池或电池 或电池组在试 池或电池组除	间 11ms,按三 组应无重量损 验后的开路电 外)。	个相互垂直的 失、无渗漏、 压不少于其在	轴向分别对无排气、无进行这一记
标准要求		patteries shall be anting surfaces o					
Requirement		acceleration of 50					
of Standard	milliseconds. E	Each cell or batter	ry shall be sub	jected to three s	shocks in the po	ositive direction	followed
	or battery for a leakage, no ver cell or battery a requirement rel	s in the negative total of 18 shock nting, no disasser after testing is no lating to voltage Mass is express	ks. Cells and b mbly, no ruptu of less than 90% is not applicab	atteries meet the re and no fire as 6 of its voltage	is requirement and if the open of immediately pro-	if there is no meircuit voltage or rior to this proc	ass loss, no of each test edure. The
			100			.6/2	_
样品状态 Sample status	b1#~b2#: firs b3#~b4#: 第二	一个循环完全充 st cycle in fully c 二十五个循环完 er 25 cycles endi	harged states; 全充电的电池		chtolog cel	Ale IECHNO	oct sols
Sample status	b1#~b2#: firs b3#~b4#: 第二 b3#~b4#: afte	st cycle in fully c 二十五个循环完	harged states; 全充电的电池 ng in fully cha		质量损失	剩余电压	测试结果
Sample	b1#~b2#: firs b3#~b4#: 第二 b3#~b4#: afte	st cycle in fully c 二十五个循环完 er 25 cycles endi	harged states; 全充电的电池 ng in fully cha	rged states.	质量损失 Mass loss (%)	剩余电压 Residual OCV(%)	
Sample status 样品编号	b1#~b2#: firs b3#~b4#: 第二 b3#~b4#: afte 测试前 电池质量	st cycle in fully c 二十五个循环完 er 25 cycles endi Before 开路电压	harged states; 全充电的电池 ng in fully cha 测试后 电池质量	rged states.	Mass loss	Residual	
Sample status 样品编号 Sample No.	b1#~b2#: firs b3#~b4#: 第二 b3#~b4#: afte 测试前 电池质量 m _I (kg)	st cycle in fully c 二十五个循环完 er 25 cycles endi Before	harged states; 全充电的电池 ng in fully cha 测试后 电池质量 m ₂ (kg)	开路电压 v ₂ (v)	Mass loss (%)	Residual OCV(%)	Test resu
Sample status 样品编号 Sample No.	b1#~b2#: firs b3#~b4#: 第二 b3#~b4#: afte 测试前 电池质量 m ₁ (kg)	st cycle in fully c 二十五个循环完 er 25 cycles endi Before 开路电压 v1(v) 53.3	harged states; 全充电的电池 ng in fully cha 测试后 电池质量 m ₂ (kg) 69.800	开路电压 V2(v) 53.3	Mass loss (%) 0.00	Residual OCV(%)	67

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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Add.: Tower B, No.66 Huacheng Avenue, Zhujiang Xincheng, Tianhe District, Guangzhou, Guangdong, P.R.C.

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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
上及冊上	小于 0.1Ω 的短路条件,当电池 再观察电池或电池组 6h 才结束 6h 内应无解体、无破裂和无燃;		继续至少 1h,然后短路断开, ☑不超过 170℃,并且试验后
标准要求		all be temperature stabilized so that it or battery shall be subjected to a sho	
Standard	external resistance of less than 0.1 least one hour after the cell or battery must be observed for a fur	1 ohm at $57\pm4^{\circ}$ C. This short circuit conterpretature has restricted as the state of the test to be concluded as the contemperature does not exceed 170° C.	ondition is continued for at turned to $57\pm4^{\circ}\text{C}$. The cell or uded. Cells and batteries meet
样品状态 Sample status	b1#~b2#: 第一个循环完全充电b1#~b2#: first cycle in fully chab3#~b4#: 第二十五个循环完全b3#~b4#: after 25 cycles ending	arged states;	E CONTRACTOR OF CHANGE
样品编号 Sample No.	样品表面最高温度 Max External Temperatur		备注 Remark
b1#	60.4	THE O	- DETRE
b2#	60.2	ALEON O ST	THOUSE,
b3#	59.7	JETC NO THOUSE	
b4#	59.9	THOUGH GINNE O	12
\		LV.	/V

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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c×.		28		Y.C.	and the same of th	.0	
序号 No.	附表 (Appendi		10	测试项目 Name of		挤压 Crush	GUAT
(ECT)	将电池或元件电池 为 1.5cm/s。挤压持 (a)施加的力量达到	放在两个平 续进行,直 13kN±0.78	面之间挤压 1到出现以 kN;	玉,挤压力度:			小速度大 约
	(b)电池的电压下降 (c)电池变形量达原 棱柱形或袋装电池 与纵轴垂直的方向	始厚度的 50 应从最宽的	0%或以上 一面施压。	纽扣/硬币电		施压。圆柱形	/ 电池应/
标准要求 Requirement of Standard	古級細華且的方向 试验电池或电池组 无解体、无破裂、 Crush (applicable to	的组成电芯 无起火。	外部温度之	不超过 170℃,	,并且在试验过程		
ONE DE PROTE	diameter): A cell or gradual with a speed continued until the f (a)The applied force (b)The voltage of the (c)The cell is deform Once the maximum cell is deformed by a Each test cell or conthis requirement if the	component of of approximits of the threaches 13ke e cell drops and by 50% of pressure has at least 50% opponent cell	cell is to be nately 1.5c. ree options (N±0.78kN) by at least for more of been obtain of its origin is to be sub	crushed betwee m/s at the first below is reach; 100mV;or its original thic ned, the voltage nal thickness, to jected to one of	ckness. ge drops by at least the pressure shall be crush only. Cells an	s. The crushing is ne crushing is 100mV or more released.	g is to be to be re, or the cells mee
样品状态 Sample status	no fire during the test C1#~C5#: 第一个 C1#~C5#: first cyc C6#~C10#: 第二十 C6#~C10#: after 2	st and within 循环 50%的 cle at 50% o 五个循环 5	six hours 额定容量的 f the design 60%的额定	after this test. 的电芯。 n rated capacity 容量的电芯。	y of cell.	JUANG THOUGH	
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#	24.2	o 🔗	1	C6#	25.2	000	1,45
C2#	24.6	O	1000	C7#	24.1	0	KEIC!
C3#	24.7	0	01001	C8#	24.8	OVE	/
C4#	24.2	O	/	C9#	24.6	o O	IN STA
C5#	24.9	O	MS	C10#	24.3	0	8° /

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		度充电 ercharge
标准要求 Requirement of Standard	充电电流必须是制造商建议的最 (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大 可再充电电池组在环境温度下 The charge current shall be twice current. The minimum voltage of (a) When the manufacturer's reconvoltage of the test shall be the less 22V. (b) When the manufacturer's reconvoltage of the test shall be 1.2 times the manufacturer's reconvoltage of the test shall be 1.2 times the manufacturer's reconvoltage of the test shall be 1.2 times the manufacturer's reconvoltage of the test shall be 1.2 times the manufacturer's reconvoltage of the test shall be the conducted at an Rechargeable batteries meet this days of the test.	大于 18V 时,试验的最 于 18V 时,试验的最 试验 24h。试样在试 the manufacturer's reco the test shall be as follo mmended charge voltage er of two times the man mmended charge voltage aximum charge voltage abient temperature. Th	小电压应是最大充电电验后7天内应无解体和mmended maximum convex: te is not more than 18V, the is more than 18V, the is the duration of the test so	压的 1.2 倍。 无燃烧。 atinuous charge the minimum the battery or minimum voltage
样品状态 Sample status	b5#~b6#: 第一个循环完全充电 b5#~b6#: first cycle in fully cha b7#~b8#: 第二十五个循环完全 b7#~b8#: after 25 cycles ending	rged states;	, ology cervite	TECHNOLOGY
样品编号 Sample No.	测试结果 Test result	WOLDE,	备注 Remark	ic, Elower
b5#	C. C	of the state of th	STONE /	010101
b6#	O Service	STONIS	Mong, 1	ANGL
b7#	E DESTRE	THONG.	JANG" /	ALE .
b8#	THOUSE O	DAYO*	Milet 1	OCTOV

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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CY.		2.0			10
序号 No.	附表 8 Appendix	8	测试项目4 Name of t		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 for D.C. power supply a manufacturer. The spappropriate size and interval (in hours) eq	的条件下强制方 rced discharged t an initial curre pecified dischar rating in series jual to its rated	放电。原电池或可和 dat ambient temperatent equal to the maxing current is to be of with the test cell, Eacapacity divided by	再充电电池在试验后 ture by connecting it imum discharge curr btained by connectin ach cell shall be force the initial test currer	
样品状态 Sample status	C11#~C20#: 第一 C11#~C20#: first cyc C21#~C30#: 第二- C21#~C30#: after 25	cle in fully disc 十五个循环完全	harged states; 全放电的电芯。	GNW ETHONG.	CUANCE
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 GILL	1	C21#	O	THEORY 1
C12#	0	. CELLET	C22#	0	The I went
C13#	0	5 / X	C23#	0	N. O. S.
C14#	O	A.C.	C24#	O	Jetho /
C15#	0	MEDI"	C25#	(1) O	(3) / 2
C16#	NE O OF	1 6	C26#	0	- F. T.
C17#	O	PIRE	C27#	O	Noct / Med
C18#	0/10	/	C28#	oct O	TRICT I
C19#	0	/ 6	C29#	0	11501
C20#	, 0	70.	C30#	0	ζ0.

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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Add.: Tower B, No.66 Huacheng Avenue, Zhujiang Xincheng, Tianhe District, Guangzhou, Guangdong, P.R.C.

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样品图片

Photo of the sample

Battery front appearance

电池侧面外观 Battery side appearance

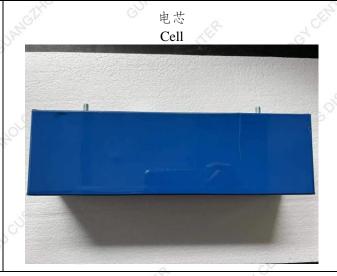


电池铭牌(含 Wh) Battery nameplate (With Wh)

Pelicitysolar®

8.7KWH 48V

Model	LPBA48170
Rated Voltage	51.2V
Charge Voltage	57.6V
Discharge Voltage Range	48-57.6V
MAX. Charge&Discharge	120A
Recommend Charge&Discharge	≤80A
Modules Connection	1~12 in parallel
Communication	CAN&RS485
Cycle Life	≥6000@25°C,80%DOD
Working Temperature Range	



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Inspection Address: Room C102, No.1 Nanxiangzhi Road, Science City, Guangzhou, Guangdong, China (Institute of Automobile and Equipment Testing in Science City)

电话(Tel): 020-38669019-811

电子邮箱(E-mail): battery@igtcnet.cn

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