

# ***Battery Pack Test Report*** ***(UN38.3)***

Customer: Lenovo

Pack Model: L18C6PD1

Nominal voltage: 11.4V

Nominal capacity: 4120mAh 46Wh/

4220mAh 48Wh

Configuration: 3S2P

Customer P/N: SB10K97657

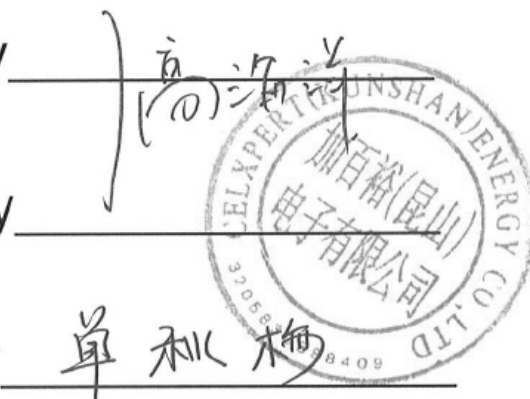
Celxpert P/N: 921300204

Cell Type: Coslight CA583864HV

2110mAh/2060mAh

July 27 2018

Approved by \_\_\_\_\_  
Reviewed by \_\_\_\_\_  
Prepared by \_\_\_\_\_



The image shows three lines for signatures. The first line has a handwritten signature. The second line has a handwritten signature. The third line has a handwritten signature. To the right of these lines is a circular stamp with the text 'CELXPERT (KUNSHAN) ENERGY CO., LTD.' and '加百裕(昆山)电子有限公司' in Chinese. The stamp also contains the numbers '32058' and '98409'.



# UN38.3 试验概要

## UN38.3 Test Summary



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单位信息 Company information			
委托单位 Consignor	加百裕(昆山)电子有限公司 Celxpert (Kunshan) Energy Co.,Ltd 江苏省昆山市玉山镇汉浦路1111号 NO.1111, Hanpu Road, Yushan Town, Kunshan City, Jiangsu Province, P.R. China 0512-57775999-8239 frank_gao@cn.celxpert.com www.celxpert.com.tw		
生产单位 Manufacturer	加百裕(昆山)电子有限公司 Celxpert (Kunshan) Energy Co.,Ltd 江苏省昆山市玉山镇汉浦路1111号 NO.1111, Hanpu Road, Yushan Town, Kunshan City, Jiangsu Province, P.R. China 0512-57775999-8239 frank_gao@cn.celxpert.com www.celxpert.com.tw		
测试单位 Test lab	加百裕(昆山)电子有限公司 Celxpert (Kunshan) Energy Co.,Ltd 江苏省昆山市玉山镇汉浦路1111号 NO.1111, Hanpu Road, Yushan Town, Kunshan City, Jiangsu Province, P.R. China 0512-57775999-8239 frank_gao@cn.celxpert.com www.celxpert.com.tw		
电池信息 Battery information			
名称 Name	Lenovo 二次锂电池组/锂电池/锂离子电池/锂离子电池组/充电电池/锂电池组/可充电式锂离子电池组 Lenovo Rechargeable Li-ion battery	品牌 Brand	Lenovo
型号 Type	L18C6PD1	原始测试型号 Original tested type	/
标称电压(V) Nominal voltage	11.4	容量/能量 Capacity/energy	4120mAh 46Wh
描述 Description	可充电锂离子电池组 Rechargeable Li-ion battery	锂含量(g) Li content	/
质量(kg) Mass	0.235	外观 Appearance	黑色塑胶外壳 black plastic cement shell
测试信息 Test information			
原报告编号 Original test report No.	CPK-Lab-UN383PACK18055-A	测试报告日期 Date of test report	2018-07-27
测试标准 Test standard	联合国《关于危险货物运输的建议书 试验和标准手册》第38.3章 UNITED NATIONS "Recommendations on the TRANSPORT OF DANGEROUS GOODS" Manual of Tests and Criteria 38.3 ST/SG/AC.10/11/Rev.6/Amend.1		
T.1 高度模拟 Altitude simulation	合格 Passed	T.2 温度测试 Thermal test	合格 Passed
T.3 振动测试 Vibration	合格 Passed	T.4 冲击测试 Shock	合格 Passed
T.5 外部短路 External short circuit	合格 Passed	T.6 挤压 Crush	合格 Passed
T.7 过度充电 Overcharge	合格 Passed	T.8 强制放电 Forced discharge	合格 Passed
38.3.3 (f)	/	38.3.3 (g)	/



## 2. UN38.3 Test Report

Test Period	2018/07/06~2018/07/26		Test Spec.	ST/SG/AC.10/11/Rev.6/Amend.1	
Parts Name	Battery Pack	Application	NB	Quantity	Pack 16PCS/Cell 30pcs

### 2.1 Test Summary

Item	Test Item	Test Result	Details
T1	Altitude simulation test (UN38.3-1)	Pass	Page 5
T2	Thermal test (UN38.3-2)	Pass	Page 6
T3	Vibration test (UN38.3-3)	Pass	Page 7
T4	Shock test (UN38.3-4)	Pass	Page 8
T5	Short Circuit test (UN38.3-5)	Pass	Page 9
T6	Crush Test (UN38.3-6)	Pass	Page 9
T7	Overcharge test (UN38.3-7)	Pass	Page 10
T8	Forced discharge test (UN38.3-8)	Pass	Page 11