

Battery Pack Test Report ***(Package Drop & UN38.3)***

Customer: Lenovo

Pack Model: L17C3P52

Nominal voltage: 11.1V

Typical capacity: 4120mAh/45Wh

Rated capacity: 3980mAh/44Wh

Configuration: 3S1P

Customer P/N: SB10T83140

Celxpert P/N: 921300301

Cell Type: Coslight CA595490 4120mAh

Jun. 26. 2017

Approved by _____

Reviewed by _____

Prepared by _____





UN38.3 试验概要

UN38.3 Test Summary



812000600012700

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	L17C3P52	原始测试型号 Original tested type	/
标称电压(V) Nominal voltage	11.1	容量/能量 Capacity/energy	Typical Capacity 4120mAh/45Wh Rated Capacity 3980mAh/44Wh
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	0.207	外观 Appearance	黑色塑料薄膜外壳 Black plastic film shell

测试信息 Test information

原报告编号 Original test report No.	CPK-Lab-UN383PACK17032-R	测试报告日期 Date of test report	2017-06-26
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.5/Amend.1&Amend.2		
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	2017/06/07~2017/06/23		Test Spec.	ST/SG/AC.10/11/Rev.5 Amend.1&2	
Parts Name	Battery Pack	Application	NB	Quantity	Pack 16PCS/Cell 25pcs

2.1 Test Summary

Item	Test Item	Test Result	Details
T1	Altitude simulation test (UN38.3-1)	Pass	Page 9
T2	Thermal test (UN38.3-2)	Pass	Page 10
T3	Vibration test (UN38.3-3)	Pass	Page 11
T4	Shock test (UN38.3-4)	Pass	Page 12
T5	Short Circuit test (UN38.3-5)	Pass	Page 13
T6	Crush Test (UN38.3-6)	Pass	Page 13
T7	Overcharge test (UN38.3-7)	Pass	Page 14
T8	Forced discharge test (UN38.3-8)	Pass	Page 15

The battery pack passes UN38.3 test.