



新普科技股份有限公司
 新世電子(常熟)有限公司
 新普科技(重慶)有限公司
 華普電子(常熟)有限公司

Control Number:LE-CU-15-11-013

Lithium-ion Battery UN38.3 Test Report

Recommendations on the TRANSPORT OF DANGEROUS GOODS

(Manual of Tests and Criteria, Fifth revised edition, Amend.1)

Customer: Lenovo

Model: L15M2PB4

Rating: 7.68V, TYP 5080mAh / 39Wh

MIN 4950mAh / 38Wh

Approved By	Checked By	Prepared By
Winel Zhao	Winel Zhao	Happy-Guo

SIMPLO TECHNOLOGY CO., LTD.

ADD : No.471, Sec.2, Pa Teh Rd., Hu Kou, Hsin Chu Hsien 303, Taiwan

TEL: +886-3-5695920

FAX: +886-3-5695931



SIMPLO ELECTRONICS (Changshu), LTD.

ADD : No.2 Dong Nan Avenue, Changshu, Jiangsu Province, China

TEL: +86-512-52302255

FAX: +86-512-52302277



SIMPLO ELECTRONICS (CHONGQING), LTD.

ADD : No.2 Zongbao Avenue, Shapingba District, ChongQing, China

TEL: +86-23-61718899

FAX: +86-23-61210488



HUAPU TECHNOLOGY (Changshu) CO., LTD.

ADD : No.2 Dong Nan Avenue, Changshu, Jiangsu Province, China

TEL: +86-512-52302255

FAX: +86-512-52302277



本資料為新普科技股份有限公司之智慧財產權，非經本公司書面授權許可，不得透露或使用本資料，亦不得複印、複製或轉變成其它任何形式使用。
 The information contained herein is the exclusive property of SIMPLO TECHNOLOGY CO., LTD, and shall not be distributed, reproduced, or disclosed in whole or in part without prior written permission.

本測試報告僅對上述測試項目有效，本報告分離使用無效

Page 1 of 7

This test report is valid only to the items, Invalid for separation using.



1. Purpose of the Test :

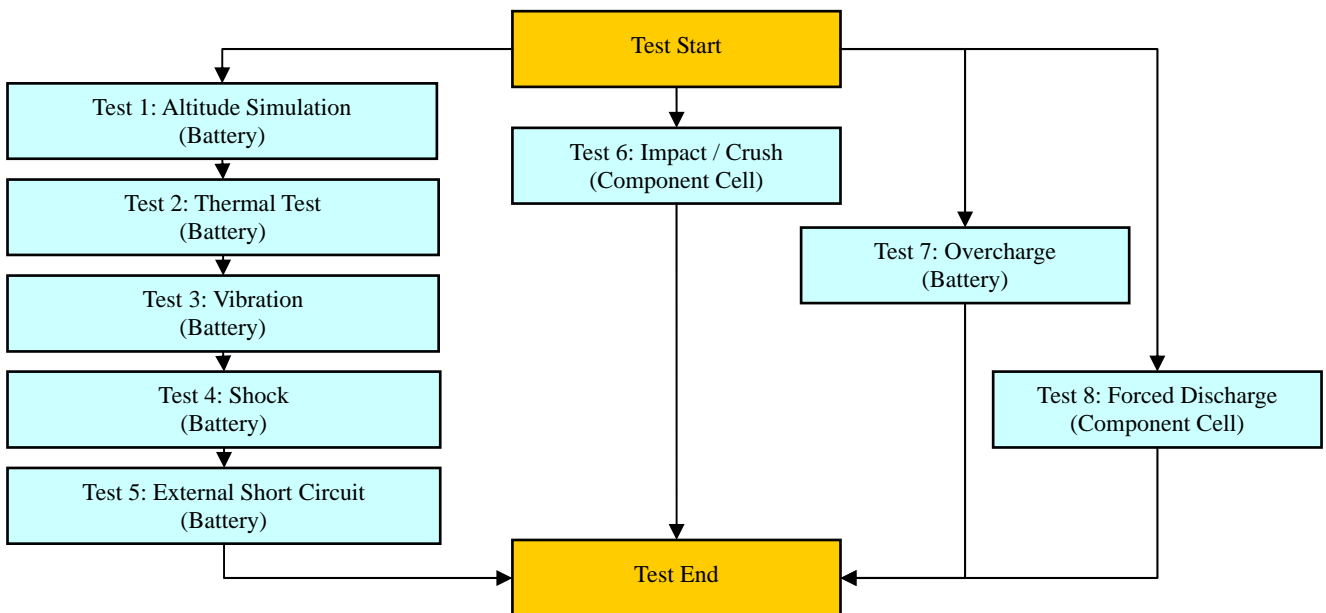
To test each cell/battery is of the type proved to meet the requirements in United Nations Recommendations on the TRANSPORT OF DANGEROUS GOODS, Manual of Tests and Criteria, Fifth revised edition, Amend.1, Section 38.3.

2. Test Quantity :

- 2.1 Four batteries, at first cycle, in fully charged states. (For T.1~T.5)
- 2.2 Four batteries, after 50 cycles ending in fully charged states. (For T.1~T.5)
- 2.3 Five component cells, at first cycle at 50% of the design rated capacity. (For T.6)
- 2.4 Four batteries, at first cycle, in fully charged states. (For T.7)
- 2.5 Four batteries, after 50 cycles ending in fully charged states. (For T.7)
- 2.6 Ten component cells, at first cycle in fully discharge states. (For T.8)
- 2.7 Ten component cells, after 50 cycles ending in fully discharged states. (For T.8)

3. Test Procedure :

- 3.1 All detailed test procedures must be based on United Nations Recommendations on the TRANSPORT OF DANGEROUS GOODS, Manual of Tests and Criteria, Fifth revised edition, Amend.1, Section 38.3.
- 3.2 Test flow shall be followed as below.





4. Test Result :

4.1 T.1 ~T.4 Test result: **Passed**

4.1.1 All batteries could meet the requirement of Table 38.3.1 Mass loss limit (M<1g: 0.5% ; 1g M 75g: 0.2% ; M>75g: 0.1%) and residual OCV not less than 90% after the test.

4.1.2 No leakage, no venting, no disassembly, no rupture and no fire.

4.2 T.5 Test result: **Passed**

4.2.1 All batteries could meet the requirement, external temperature did not exceed 170 .

4.2.2 All batteries were no disassembly, no rupture and no fire during the test and within six hours after the test.

4.3 T.6 Test result: **Passed**

4.3.1 All component cells could meet the requirement, external temperature did not exceed 170 .

4.3.2 All component cells were no disassembly and no fire during the test and within six hours after the test.

4.4 T.7 Test result: **Passed**

4.4.1 All batteries could meet no disassembly and no fire during the test and within seven days after the test.

4.5 T.8 Test result: **Passed**

4.5.1 All component cells could meet the requirement, no disassembly and no fire during the test and within seven days after the test.

Conclusion: The samples had passed the test items of UN38.3.



新普科技股份有限公司
 新世電子(常熟)有限公司
 新普科技(重慶)有限公司
 華普電子(常熟)有限公司

Control Number:LE-CU-15-11-013

5. Test Equipment :

SMP 新世電子(常熟)有限公司
 Address : No.2 Dong Nan Avenue, Changshu, Jiangsu Province, China
 TEL: 0512-52302255 FAX: 0512-52302277
 Revised date: 2015/10/20 Page:1
 Date:2015/10/12~2015/11/09
 Model name: L15M2PB4

Test Instruments Reference List									
Used	Instrument ID(New)	Instrument ID(Old)	Instrument Name	Type	Range of Use	Manufacturer	Calibration Date_Last	Calibration Date_Next	Remarks
Pretest									
V	EE01-CA-100002	C602M00/S0 096	715 learning機	新普科技	18V,8A	新普科技	2014/12/30	2015/12/29	
V	EE03-CA-100018	C602M00/S0 107	720 learning機	新普科技	Chang 18V/17A Discharge:1.6V/18A	新普科技	2015/03/09	2016.03/08	
	EE01-CA-100003	C602M00/S0 099	715 learning機	新普科技	18V,8A	新普科技	2015/03/09	2016.03/08	
	EE01-CA-100005	C602M00/S0 098	715 learning機	新普科技	18V,8A	新普科技	2015/04/09	2016.04/08	
	EE03-CA-100020	C602M00/S0 163	720 learning機	新普科技	Chang 18V/17A Discharge:1.6V/18A	新普科技	2015/10/20	2016/10/19	
Altitude Simulation									
V	EC15-CA-E00003	C602M00/0462	Altitude	SVT-110	Kpa: 0~99Kpa	HSIN JIANG	2015/09/08	2016.09/07	
V	EA02-CA-100002	C602M00/0293	mΩ Hitester	3561	R:-10~310mΩ V:-20~20V	HIOKI	2015/9/16	2016.9/15	
V	EF03-CA-100001	C602M00/C0604	Electronic Balance	XS1220M-SCS	1220g±0.001g	CHENGZHUN	2015/10/20	2016/10/19	
V	ED01-CA-100007	C602M00/T0412	Thermo Meter	TA218	T: -10℃~70℃ RH: 25%~98%	KTJ	2015/8/27	2016.8/26	
Thermal Test									
V	EC29-CA-E00002	C602M00/0671	Thermal Shock	TSK-A4C-150	T:-65℃ to 150℃	KSON	2015/06/09	2016.06/08	
V	EA02-CA-100002	C602M00/0293	mΩ Hitester	3561	R:-10~310mΩ V:-20~20V	HIOKI	2015/9/16	2016.9/15	
V	EF03-CA-100001	C602M00/C0604	Electronic Balance	XS1220M-SCS	1220g±0.001g	CHENGZHUN	2015/10/20	2016/10/19	
V	ED01-CA-100007	C602M00/T0412	Thermo Meter	TA218	T: -10℃~70℃ RH: 25%~98%	KTJ	2015/8/27	2016.8/26	
Vibration Test									
	EC08-CA-E00001	C602M00/0197	Vibration	EM-200F2K-25N50	F:3~2000Hz G:0.2~55G	King Design	2015/3/11	2016.3/10	
V	EC08-CA-E00002	C602M00/0052	Vibration	EM-200F2K-25N50	F:3~2000Hz G:0.2~55G	King Design	2015/9/23	2016.9/22	
V	EA02-CA-100002	C602M00/0293	mΩ Hitester	3561	R:-10~310mΩ V:-20~20V	HIOKI	2015/9/16	2016.9/15	
V	EF03-CA-100001	C602M00/C0604	Electronic Balance	XS1220M-SCS	1220g±0.001g	CHENGZHUN	2015/10/20	2016/10/19	
Shock Test									
V	EC17-CA-E00001	C602M00/0570	Shock	HS 15/45	G:10~2000G	Lansmont	2015/09/08	2016.09/07	
V	EA02-CA-100002	C602M00/0293	mΩ Hitester	3561	R:-10~310mΩ V:-20~20V	HIOKI	2015/9/16	2016.9/15	
V	EF03-CA-100001	C602M00/C0604	Electronic Balance	XS1220M-SCS	1220g±0.001g	CHENGZHUN	2015/10/20	2016/10/19	
External Short Circuit									
V	EA02-CA-100002	C602M00/0293	mΩ Hitester	3561	R:-10~310mΩ V:-20~20V	HIOKI	2015/9/16	2016.9/15	
V	EA09-CA-100004	C602M00/0207	Data logger	34970A	V: 0~ 300V, T: -150℃~1200℃	Agilent	2015/9/16	2016.9/15	
V	EC26-CA-100023	C602M00/0518	chamber	WIT TH-2P-E	-40℃ to 150℃	WIT	2015/08/11	2016.08/10	
V	ED01-CA-100007	C602M00/T0412	Thermo Meter	TA218	T: -10℃~70℃ RH: 25%~98%	KTJ	2015/8/27	2016.8/26	
Impact /Crush									
	EC17-CA-100001	C602M00/1204	Impact test	100-372	H:60~80cm	JYI SHENG	2015/9/16	2016.9/15	
V	EC23-CA-E00001	C602M00/0743	Crush Test	BE-6047	1.0KN~15.0KN	BELL	2015/09/08	2016.09/07	
V	EA09-CA-100005	C602M00/0588	Data logger	34970A	V: 0~ 300V, T: -150℃~1200℃	Agilent	2015/9/16	2016.9/15	
V	ED01-CA-100010	C602M00/T0581	Thermo Meter	TA218	T: -10℃~70℃ RH: 25%~98%	KTJ	2015/6/22	2016.6/21	
Overcharge									
V	EA06-CA-E00003	C602M00/P0 779	Power Supply	D56024	0~60V 0~24A	MOTECH	2015/03/11	2016.03/10	
V	EA06-CA-E00002	C602M00/P0 777	Power Supply	D56024	0~60V 0~24A	MOTECH	2015/03/11	2016.03/10	
V	EA06-CA-E00001	C602M00/P0 775	Power Supply	D56024	0~60V 0~24A	MOTECH	2015/03/11	2016.03/10	
V	EA06-CA-E00004	C602M00/P0 781	Power Supply	D56024	0~60V 0~24A	MOTECH	2015/03/11	2016.03/10	
V	ED01-CA-100007	C602M00/T0412	Thermo Meter	TA218	T: -10℃~70℃ RH: 25%~98%	KTJ	2015/8/27	2016.8/26	
Proced Discharge									
V	EA06-CA-100004		Power Supply	E3633A	0~8V,20A/0~20V,10A	AGILENT	2015/9/16	2016.9/15	
V	EA06-CA-100016		Power Supply	E3633A	0~8V,20A/0~20V,10A	AGILENT	2015/5/10	2016.5/9	
V	EA06-CA-100015	C602M00/P0 481	Power Supply	E3633A	0~8V,20A/0~20V,10A	AGILENT	2015/5/10	2016.5/9	
V	EA05-CA-100006		Electronic LOAD	3311D	60V,60A, 300W	PRODIGIT	2015/05/12	2016.05/11	
V	EA05-CA-100009		Electronic LOAD	3311F	60V,60A, 300W	PRODIGIT	2015/05/12	2016.05/11	
V	EA05-CA-100008	C602M00/L0 402	Electronic LOAD	3311F	60V,60A, 300W	PRODIGIT	2015/08/13	2016.08/12	

Note 1: DC Voltage: 0.1~1000V; AC Voltage: 0.5~700V at 60Hz, 1kHz; Resistance: 10Ω~10MΩ; DC current:0.1m A-3A; AC current: 0.01m A-3A at 60Hz, 0.01m A-1A, at 1kHz

本資料為新普科技股份有限公司之智慧財產權，非經本公司書面授權許可，不得透露或使用本資料，亦不得複印、複製或轉變成其它任何形式使用。
 The information contained herein is the exclusive property of SIMPLO TECHNOLOGY CO., LTD, and shall not be distributed, reproduced, or disclosed in whole or in part without prior written permission.

本測試報告僅對上述測試項目有效，本報告分離使用無效
 This test report is valid only to the items, Invalid for separation using.



新普科技股份有限公司
 新世電子(常熟)有限公司
 新普科技(重慶)有限公司
 華普電子(常熟)有限公司

Control Number:LE-CU-15-11-013

6. T.1~T.8 Detail Reports:

Control No.:LE-CU-15-11-013

UN 38.3 Test Datasheet

Customer: Lenovo

Model Name:L15M2PB4

Test Duration: 2015/10/12~2015/11/09

Reviewer: Wind_Zhao

Test Sample Identification:

Battery Pack						Component Cell		
Used	Sample No.	Sample State	Used	Sample No.	Sample State	Used	Sample No.	Sample State
√	01~04	1 Cycle, Fully charged	√	05~08	50 Cycles, Fully charged	√	01C~05C	1 Cycle, 50% charged
√	09~12	1 Cycle, Fully charged	√	13~16	50 Cycles, Fully charged	√	06C~15C	1 Cycle, 0% discharged
		25Cycles, Fully charged			25Cycles, Fully charged	√	16C~25C	50 Cycles, 0% discharged

T.1 Altitude Simulation									
Start time:2015/10/26 08:20					Ambient temp.: 20.0 ℃				
Finish time:2015/10/26 17:30					Operator: Happy_Gu				
Sample No.: 01					Sample No.: 02				
	Before	After	Variation	Results		Before	After	Variation	Results
Mass (g)	150.127	150.125	Mass loss % 0.00%	P	Mass (g)	150.258	150.255	Mass loss % 0.00%	P
OCV (V)	8.740	8.732	Residual OCV % 99.91%		OCV (V)	8.746	8.737	Residual OCV % 99.90%	
Sample No.: 03					Sample No.: 04				
	Before	After	Variation	Results		Before	After	Variation	Results
Mass (g)	149.657	149.654	Mass loss % 0.00%	P	Mass (g)	150.657	150.655	Mass loss % 0.00%	P
OCV (V)	8.739	8.731	Residual OCV % 99.91%		OCV (V)	8.750	8.742	Residual OCV % 99.91%	
Sample No.: 05					Sample No.: 06				
	Before	After	Variation	Results		Before	After	Variation	Results
Mass (g)	150.751	150.749	Mass loss % 0.00%	P	Mass (g)	150.472	150.470	Mass loss % 0.00%	P
OCV (V)	8.735	8.726	Residual OCV % 99.90%		OCV (V)	8.743	8.735	Residual OCV % 99.91%	
Sample No.: 07					Sample No.: 08				
	Before	After	Variation	Results		Before	After	Variation	Results
Mass (g)	150.243	150.241	Mass loss % 0.00%	P	Mass (g)	150.871	150.869	Mass loss % 0.00%	P
OCV (V)	8.744	8.736	Residual OCV % 99.91%		OCV (V)	8.740	8.733	Residual OCV % 99.92%	

T.2 Thermal Test									
Start time:2015/10/26 17:40					Ambient temp.: 19.5 ℃				
Finish time:2015/11/02 08:20					Operator: Happy_Gu				
Sample No.: 01					Sample No.: 02				
	Before	After	Variation	Results		Before	After	Variation	Results
Mass (g)	150.125	150.123	Mass loss % 0.00%	P	Mass (g)	150.255	150.252	Mass loss % 0.00%	P
OCV (V)	8.732	8.610	Residual OCV % 98.60%		OCV (V)	8.737	8.615	Residual OCV % 98.60%	
Sample No.: 03					Sample No.: 04				
	Before	After	Variation	Results		Before	After	Variation	Results
Mass (g)	149.654	149.652	Mass loss % 0.00%	P	Mass (g)	150.655	150.651	Mass loss % 0.00%	P
OCV (V)	8.731	8.610	Residual OCV % 98.61%		OCV (V)	8.742	8.622	Residual OCV % 98.63%	
Sample No.: 05					Sample No.: 06				
	Before	After	Variation	Results		Before	After	Variation	Results
Mass (g)	150.749	150.747	Mass loss % 0.00%	P	Mass (g)	150.470	150.466	Mass loss % 0.00%	P
OCV (V)	8.726	8.605	Residual OCV % 98.61%		OCV (V)	8.735	8.612	Residual OCV % 98.59%	
Sample No.: 07					Sample No.: 08				
	Before	After	Variation	Results		Before	After	Variation	Results
Mass (g)	150.241	150.237	Mass loss % 0.00%	P	Mass (g)	150.869	150.867	Mass loss % 0.00%	P
OCV (V)	8.736	8.613	Residual OCV % 98.59%		OCV (V)	8.733	8.609	Residual OCV % 98.58%	

T.3 Vibration									
Start time:2015/11/02 08:10					Ambient temp.: 20.1 ℃				
Finish time:2015/11/03 08:20					Operator: Happy_Gu				
Sample No.: 01					Sample No.: 02				
	Before	After	Variation	Results		Before	After	Variation	Results
Mass (g)	150.123	150.120	Mass loss % 0.00%	P	Mass (g)	150.252	150.249	Mass loss % 0.00%	P
OCV (V)	8.610	8.602	Residual OCV % 99.91%		OCV (V)	8.615	8.604	Residual OCV % 99.87%	
Sample No.: 03					Sample No.: 04				
	Before	After	Variation	Results		Before	After	Variation	Results
Mass (g)	149.652	149.650	Mass loss % 0.00%	P	Mass (g)	150.651	150.649	Mass loss % 0.00%	P
OCV (V)	8.610	8.602	Residual OCV % 99.91%		OCV (V)	8.622	8.613	Residual OCV % 99.90%	
Sample No.: 05					Sample No.: 06				
	Before	After	Variation	Results		Before	After	Variation	Results
Mass (g)	150.747	150.745	Mass loss % 0.00%	P	Mass (g)	150.466	150.463	Mass loss % 0.00%	P
OCV (V)	8.605	8.597	Residual OCV % 99.91%		OCV (V)	8.612	8.604	Residual OCV % 99.91%	
Sample No.: 07					Sample No.: 08				
	Before	After	Variation	Results		Before	After	Variation	Results
Mass (g)	150.237	150.235	Mass loss % 0.00%	P	Mass (g)	150.867	150.865	Mass loss % 0.00%	P
OCV (V)	8.613	8.604	Residual OCV % 99.90%		OCV (V)	8.609	8.600	Residual OCV % 99.90%	

本資料為新普科技股份有限公司之智慧財產權，非經本公司書面授權許可，不得透露或使用本資料，亦不得複印、複製或轉變成其它任何形式使用。
 The information contained herein is the exclusive property of SIMPLO TECHNOLOGY CO., LTD, and shall not be distributed, reproduced, or disclosed in whole or in part without prior written permission.

本測試報告僅對上述測試項目有效，本報告分離使用無效
 This test report is valid only to the items, Invalid for separation using.



新普科技股份有限公司
 新世電子(常熟)有限公司
 新普科技(重慶)有限公司
 華普電子(常熟)有限公司

Control Number:LE-CU-15-11-013

T.4 Shock					Start time:2015/11/03 13:50					Ambient temp.: 21.4 ℃					Operator: Happy_Gu				
Finish time:2015/11/03 17:10																			
Sample No.: 01										Sample No.: 02									
Before	After	Variation		Results	Before	After	Variation		Results										
Mass (g)	150.120	150.117	Mass loss %	0.00%	p	Mass (g)	150.249	150.246	Mass loss %	0.00%	p								
OCV (V)	8.602	8.597	Residual OCV %	99.94%		OCV (V)	8.604	8.601	Residual OCV %	99.97%									
Sample No.: 03										Sample No.: 04									
Before	After	Variation		Results	Before	After	Variation		Results										
Mass (g)	149.650	149.647	Mass loss %	0.00%	p	Mass (g)	150.649	150.646	Mass loss %	0.00%	p								
OCV (V)	8.602	8.598	Residual OCV %	99.95%		OCV (V)	8.613	8.609	Residual OCV %	99.95%									
Sample No.: 05										Sample No.: 06									
Before	After	Variation		Results	Before	After	Variation		Results										
Mass (g)	150.745	150.742	Mass loss %	0.00%	p	Mass (g)	150.463	150.460	Mass loss %	0.00%	p								
OCV (V)	8.597	8.594	Residual OCV %	99.97%		OCV (V)	8.604	8.600	Residual OCV %	99.95%									
Sample No.: 07										Sample No.: 08									
Before	After	Variation		Results	Before	After	Variation		Results										
Mass (g)	150.235	150.232	Mass loss %	0.00%	p	Mass (g)	150.865	150.862	Mass loss %	0.00%	p								
OCV (V)	8.604	8.602	Residual OCV %	99.98%		OCV (V)	8.600	8.597	Residual OCV %	99.97%									

T.5 External Short Circuit																	Start time:2015/11/03 17:10			Ambient temp.: 19.8 ℃			Operator: Happy_Gu		
Finish time:2015/11/04 09:10																									
Resistance (<100mΩ)		Sample No.: 01		Sample No.: 02		Sample No.: 03		Sample No.: 04		Sample No.: 05		Sample No.: 06		Sample No.: 07		Sample No.: 08									
		56.8		59.2		57.3		56.6		55.7		57.9		58.8		57.3									
OCV before test/ after short circuit(V)		8.597 0.000		8.601 0.000		8.598 0.000		8.609 0.000		8.594 0.000		8.600 0.000		8.602 0.000		8.597 0.000									
Max Temp. (< 170℃)		55.6		55.3		55.1		55.1		54.8		55.2		54.7		54.9									
Results		P		P		P		P		P		P		P		P									

T.6 Impact / Crush																	Start time:2015/10/14 08:30			Ambient temp.: 19.1 ℃			Operator: Happy_Gu		
Finish time:2015/10/14 18:40																									
<input type="checkbox"/> Impact-Cylindrical cells greater than 20mm in diameter																									
<input checked="" type="checkbox"/> Crush- Prismatic, pouch, coin/button cells and cylindrical cells not more than 20mm in diameter																									
OCV before test(V)		Sample No.: 01C			Sample No.: 02C			Sample No.: 03C			Sample No.: 04C			Sample No.: 05C											
		3.840			3.841			3.841			3.841			3.840											
Max Temp. (< 170℃)		28.7			29.6			30.1			31.6			29.1											
Results		P			P			P			P			P											

T.7 Overcharge																	Start time:2015/10/28 10:40			Ambient temp.: 18.9 ℃			Operator: Happy_Gu		
Finish time:2015/11/08 13:10																									
OCV before test(V)		Sample No.: 09		Sample No.: 10		Sample No.: 11		Sample No.: 12		Sample No.: 13		Sample No.: 14		Sample No.: 15		Sample No.: 16									
		8.738		8.740		8.581		8.742		8.741		8.740		8.738		8.740									
Results		P		P		P		P		P		P		P		P									

T.8 Forced Discharge																	Start time:2015/10/29 08:30			Ambient temp.: 20.4 ℃			Operator: Happy_Gu		
Finish time:2015/11/08 09:30																									
OCV before test(V)		Sample No.: 06C			Sample No.: 07C			Sample No.: 08C			Sample No.: 09C			Sample No.: 10C											
		3.375			3.374			3.374			3.376			3.374											
Results		P			P			P			P			P											
OCV before test(V)		Sample No.: 11C			Sample No.: 12C			Sample No.: 13C			Sample No.: 14C			Sample No.: 15C											
		3.377			3.375			3.373			3.374			3.373											
Results		P			P			P			P			P											
OCV before test(V)		Sample No.: 16C			Sample No.: 17C			Sample No.: 18C			Sample No.: 19C			Sample No.: 20C											
		3.380			3.380			3.379			3.378			3.382											
Results		P			P			P			P			P											
OCV before test(V)		Sample No.: 21C			Sample No.: 22C			Sample No.: 23C			Sample No.: 24C			Sample No.: 25C											
		3.382			3.379			3.383			3.384			3.382											
Results		P			P			P			P			P											

本資料為新普科技股份有限公司之智慧財產權，非經本公司書面授權許可，不得透露或使用本資料，亦不得複印、複製或轉變成其它任何形式使用。
 The information contained herein is the exclusive property of SIMPLO TECHNOLOGY CO., LTD, and shall not be distributed, reproduced, or disclosed in whole or in part without prior written permission.

本測試報告僅對上述測試項目有效，本報告分離使用無效
 This test report is valid only to the items, Invalid for separation using.



新普科技股份有限公司
 新世電子(常熟)有限公司
 新普科技(重慶)有限公司
 華普電子(常熟)有限公司

Control Number:LE-CU-15-11-013

7. Test sample:



本資料為新普科技股份有限公司之智慧財產權，非經本公司書面授權許可，不得透露或使用本資料，亦不得複印、複製或轉變成其它任何形式使用。
 The information contained herein is the exclusive property of SIMPLO TECHNOLOGY CO., LTD, and shall not be distributed, reproduced, or disclosed in whole or in part without prior written permission.

本測試報告僅對上述測試項目有效,本報告分離使用無效
 This test report is valid only to the items, Invalid for separation using.