


1.0 Products covered by this Test Summary

Model Number	Description	Notes
SRTL50RMBP1U-LI	APC Smart-UPS Ultra Lithium-Ion Battery Pack 1U	

	<p>Battery pack is a manufactured article consisting of a plastic and metal sealed case containing electronics and cylindrical lithium-ion battery/cells. Physical State: Solid.</p>
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1.1 Batteries in Products

#	Model Number	Description	Notes
1	SRTL50RMBP1U-LI, AU1805 APCRBC173-LI, 911-7011	Li-Ion Battery Pack ; 50.4 VDC; 950 Wh	
2	SRTL50RMBP1U-LI-1, UBP196A10AC1 APCRBC173-LI-1, 911-7011-1	Li-Ion Battery Pack ; 50.4 VDC; 950 Wh	

1.1 Cells in Batteries

#	Model Number	Description	Notes
3	US18650VTC4	Lithium-ion Cell; 3.6Vdc ; 2100mAh	

2.0 Manufacturers of Cells/Batteries

2.1 Battery Maker #1

Name	Address	Phone	Website
C-TECH. United Corporation	5F., No.669, Zhongzheng Road, Xinzhuang District, New Taipei City 24257, Taiwan	886-2-2901-6600	ww.c-techone.com/

2.1 Battery Maker #2

Name	Address	Phone	Website
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STL Technology Co., Ltd.	NO.1, WEST 15 TH STREET CIANJHEN DIST.KAOHSIUNG, TAIWAN	+886-7-841-1501	www.stl-tech.com
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2.1 Cell Maker #3

Name	Address	Phone	Website
Tohoku Murata Manufacturing Co., Ltd.	1-1 Shimosugishita, Takakura, Hiwada-machi, Koriyama-shi, Fukushima, 963-0531 Japan	+81-24-955- 7770	www.murata.com

3.0 Test Laboratories of Cells / Batteries

3.1 Test for Battery #1

Name	Address	Phone	Website
AnTek Certification Inc.	7F., No. 351, Yangguang Street, NeiHu District, Taipei City 114, Taiwan	886-2-8752-3779	www.atclab.com.tw/
Test ID No:	TW2104062-001		
Date:	2021-06-18		
NOTES: The samples has passed the test items of Manual of Tests and Criteria (ST/SG/AC.10/11/Rev.6/Amend.1), Part III sub-section 38.3.			

	Lithium Ion Cell
XXX	Lithium Ion Battery

	Lithium Metal Cell
	Lithium Metal Battery

3.1 Test for Battery #2

Name	Address	Phone	Website
STL Technology Co., Ltd.	NO.1, WEST 15 TH STREET CIANJHEN DIST.KAOHSIUNG, TAIWAN	+886-7-841-1501	www.stl-tech.com
Test ID No:	STL-2105004		
Date:	2021-06-01		
NOTES: The samples has passed the test items of Manual of Tests and Criteria (ST/SG/AC.10/11/Rev.7/Amend.1), Part III sub-section 38.3.			

	Lithium Ion Cell
XXX	Lithium Ion Battery

	Lithium Metal Cell
	Lithium Metal Battery

4.0 Parameters of Cells/Batteries

4.1 Battery #1

Parameters	Cell #3 (US18650VTC4)	Battery #1
Mass (Kg)	0.045	8.82
Lithium ion Indicate watt-hour rating (Wh)	7.6	950
Lithium metal Indicate lithium metal content in gram (g)	N/A	N/A

Physical Description of Cells / Batteries

Battery #1

SRTL50RMBP1U-LI, AU1805, APCRBC173-LI, 911-7011



SRTL50RMBP1U-LI, AU1805, APCRBC173-LI, 911-7011 Label

Smart-UPS Lithium-Ion
Rechargeable Li-Ion Battery Pack
Batterie Li-Ion Rechargeable

APC Rating / Caractéristiques : 50.4V / 18.85Ah / 260Wh
Max. Charge Voltage / Tension Max. de Charge : 56V
Max. Charge Current / Courant Max. de Charge : 25A
Model / Modèle : SRTL50RMBP1U-LI
Max. Short Circuit Current / Courant Maximal de Court-Circuit : 335A
Duration / Durée : 40ms

CONSULT THE USER MANUAL PRIOR TO OPERATING THIS BATTERY!
CONSULTEZ LE MANUEL D'UTILISATION AVANT D'UTILISER CETTE BATTERIE!
BITTE KONSULTIEREN SIE DAS BENUTZERHANDBUCH VOR DER BATTERIE ZUM BETRIEB!

WARNING: RISK OF FIRE, EXPLOSION OR BURNS

- Do not short the battery terminals.
- Do not incinerate, crush or disassemble.
- Do not overcharge or over discharge.
- Do not reverse connections (polarity) between charger and battery.
- Do not operate beyond published voltage, current, and temperature limits.

ATTENTION: RISQUE D'INCENDIE, D'EXPLOSION OU DE BRÛLURES

- NE PAS court-circuiter les bornes de la batterie.
- NE PAS incinérer, écraser ou désassembler.
- NE PAS surcharger ou décharger excessivement la batterie.
- NE PAS inverser la polarité entre le chargeur et la batterie.
- NE PAS utiliser au-delà des plages limites de tension, d'intensité et de température.

VORSICHT: RISIKO FÜR FEUER, EXPLOSION ODER BRENNEN

- Bitte verkürzen Sie die Batterieterminals nicht.
- Bitte verbrennen, zerstoßen, oder demontieren Sie sie nicht.
- Bitte überladen oder überentladen Sie sie nicht.
- Bitte belegen Sie die Verbindung zwischen Batterie und Ladegerät nicht.
- Bitte beachten Sie die nach veröffentlichter Spannungs-, Strom- und Temperaturgrenzen.

CE Schneider Electric Industries SAS
35 rue Joseph Moisson
Rueil-Malmaison 92500 - France
FC cULUS 20
MH64963
c66905
INR19196(14P14S)HIO+45/80

Smart-UPS Lithium-Ion
Rechargeable Li-Ion Battery Pack/Batterie Li-Ion Rechargeable

APC Rating/Caractéristiques: 50.4V / 5.16Ah / 260Wh
Max. Charge Voltage/Tension Max. de Charge: 56V
Max. Charge Current/Courant Max. de Charge: 15V
Max. Short Circuit Current/Courant Maximal de Court-Circuit: 75A
Duration/Durée: 70ms

CONSULT THE USER MANUAL PRIOR TO OPERATING THIS BATTERY!
CONSULTEZ LE MANUEL D'UTILISATION AVANT D'UTILISER CETTE BATTERIE!

WARNING: RISK OF FIRE, EXPLOSION OR BURNS

- Do not short the battery terminals.
- Do not incinerate, crush, disassemble, and dispose of in fire.
- Do not overcharge or over discharge.
- Do not reverse connections (polarity) between charger and battery.
- Do not operate beyond published voltage, current, and temperature limits.

ATTENTION: RISQUE D'INCENDIE, D'EXPLOSION OU DE BRÛLURES

- NE PAS court-circuiter les bornes de la batterie.
- NE PAS incinérer, écraser, démonter et jeter au feu.
- NE PAS surcharger ou décharger excessivement la batterie.
- NE PAS inverser la polarité entre le chargeur et la batterie.
- NE PAS utiliser au-delà des plages limites de tension, d'intensité et de température.

cULUS 20 FC CE
MH64063 c66905
INR19196(4P14S)HIO+45/80
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Rueil-Malmaison/France
Schneider Electric

Li-ion
BATTERY MUST BE RECYCLED
BATTERIE DOIT ÊTRE RECYCLÉE
Made in Taiwan / Fabriqué en Taiwan

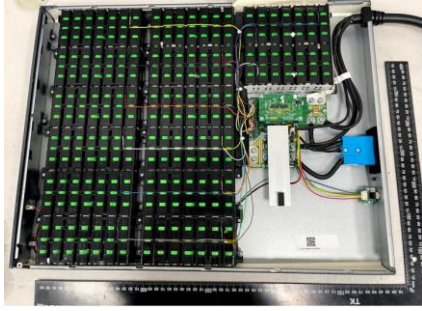
Li-ion

Schneider Electric

Li-ion
BATTERY MUST BE RECYCLED
BATTERIE DOIT ÊTRE RECYCLÉE

Li-ion

Cell (Cell #3)



4.1 Battery #2

Parameters	Cell #3 (US18650VTC4)	Battery #2
Mass (Kg)	0.045	8.82
Lithium ion Indicate watt-hour rating (Wh)	7.6	950
Lithium metal Indicate lithium metal content in gram (g)	N/A	N/A

Physical Description of Cells / Batteries

SRTL50RMBP1U-LI-1, APCRBC173-LI-1, 911-7011-1, UBP196A10AC1



SRTL50RMBP1U-LI-1, APCRBC173-LI-1, 911-7011-1, UBP196A10AC1 Label

Cell (Cell #2)

5.0 List of tests conducted and results

Test	Pass	Fail	N/A
T1 – Altitude simulation	X		
T2 – Thermal Tests	X		
T3 – Vibration	X		
T4 – Shock	X		

T5 – External Short Circuit	X		
T6 – Impact	X		
T7 – Overcharge	X		
T8 – Forced Discharge	X		

6.0 UN38.3 Test Conformation for the Cells inside the battery:

	Cell UN 38.3 Test Confirmed (Yes or No)
When no separate document for the cells is provided, this confirms that the cells inside the battery have successfully passed the UN 38.3 test. In this case under section 5.0 the T7 and T8 must be marked as “passed” and here under section 6.0 “Cell UN 38.3 Test confirmed” needs to be Yes.	YES

7.0 Reference to assembled battery testing requirements

	Not Applicable
	XXX

8.0 Reference to the edition on the Manual of Tests and Criteria applied

ST/SG/AC.10/11/Rev.6/Amend.1 and ST/SG/AC.10/11/Rev.7/Amend.1 Recommendations on the Transport of Dangerous Goods: Manual of Tests and Criteria, Part III, Sub-Section 38.3 Lithium metal and lithium ion batteries United Nations
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9.0 Manufacture of the cell / battery is in accordance with quality management system as required by the regulations:

Schneider Electric certifies that all articles described in this Test Survey are in compliance with all applicable Schneider Electric Product Specifications, Manufacturing Processes, Quality Control Testing, Quality Plan per ISO9001: 2015, and Environmental guidelines.

10.0 Certification

Company: Schneider Electric – Secure Power Division
Signature:



Authorized representative:

Raymond P. Lizotte, Jr.
Director, Sustainability Office
EMAIL: raymond.lizotte@SE.com
Phone: +1 978-691-1468


Date of compilation: October 06, 2023
Place of expertise: Schneider Electric Andover R&D Center
Andover, MA 01810
United States




Company Seal

11.0 Attachments

Images of Test Report Identifiers

UN38.3 試驗概要 UN38.3 Test Summary			
單位信息 Company information			
委託單位 Consignor	美國艾比奇股份有限公司 American Power Conversion Holdings Inc., Taiwan Branch 台灣台北市內湖區舊宗路二段 189 號 5 樓, 5F., No. 189, Section 2, Jizhong Road, Neihu District, Taipei City 11494, Taiwan 886-2-6611-7221 ken.hsieh@se.com www.apc.com/		
生產單位 Manufacturer	西勝國際股份有限公司 C-TECH United Corporation 台灣新北市新莊區中正路 669 號 5 樓, 5F., No. 669, Zhongzheng Road, Xinzhuang District, New Taipei City 24257, Taiwan 886-2-2901-6900 tiffany.chen@c-techone.com www.c-techone.com/		
測試單位 Test lab	證誠國際檢驗股份有限公司 AnTek Certification Inc. 台灣台北市內湖區陽光街 351 號 7 樓, 7F., No. 351, Yangguang Street, Neihu District, Taipei City 114, Taiwan 886-2-8752-3779 joe.lin@atclab.com.tw www.atclab.com.tw/		
電池信息 Battery information			
名稱 Name	二次鋰離子電池組 Rechargeable Li-Ion Battery Pack	品牌 Brand	/
型號 Type	SRTL50RMBP1U-LI	原始測試型號 Original tested type	/
標稱電壓(V) Nominal voltage	50.4	容量/能量 Capacity/Energy	18.85 Ah, 950 Wh
描述 Description	二次鋰離子電池組 Rechargeable Li-Ion Battery Pack	鋰含量(g) Li content	/
質量(kg) Mass	17.465	外觀 Appearance	Metal Shell
測試信息 Test information			
原始報告編號 Original test report No.	TW2104062-001	測試報告日期 Date of test report	Jun. 18, 2021
測試標準 Test standard	聯合國《關於危險貨物運輸的建議書試驗和標準手冊》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 高度模擬 Altitude simulation	合格 Passed	T.2 溫度測試 Thermal test	合格 Passed
T.3 振動測試 Vibration	合格 Passed	T.4 沖擊測試 Shock	合格 Passed
T.5 外部短路 External short circuit	合格 Passed	T.6 撞擊測試 Impact	合格 Passed
T.7 過度充電 Overcharge	合格 Passed	T.8 強制放電 Forced discharge	合格 Passed
38.3.3 (f)	/	38.3.3 (g)	/
結論 Conclusion	測試樣品符合聯合國《關於危險貨物運輸的建議書試驗和標準手冊》ST/SG/AC.10/11/Rev.6/Amend.1 38.3 標準要求。The tested samples meet the requirements of test items of the UNITED NATIONS "Recommendations on the TRANSPORT OF DANGEROUS GOOD" Manual of Tests and Criteria ST/SG/AC.10/11/Rev.6/Amend.1 38.3		
備註 Remark	Internal cell source: Murata Mfg. Co., Ltd. / US18650VTC4		
簽名 Signature		簽發日期 Issued date	Jun. 18, 2021
職務 Title	副理 Deputy Manager		

UN38.3 Lithium battery Test Summary for STL Technology Model name:SRTL50RMBP1U-LI

1	Battery Manufacturer: STL Technology Co., Ltd.
2	Product Manufacturer: STL Technology Co., Ltd. NO.1, WEST 15TH STREET CIANHJEN DIST. KAOHSIUNG, TAIWAN +886-7-841-1501 stl@stl-tech.com, www.stl-tech.com
3	UN38.3 Test Lab: STL Technology Co., Ltd. NO.1, WEST 15TH STREET CIANHJEN DIST. KAOHSIUNG, TAIWAN +886-7-841-1501 stl@stl-tech.com, www.stl-tech.com
4	Test Report Number: STL-2105004
5	Date of Test Report: 20210601
6	Description of Cell or Battery: Lithium Battery (Rechargeable) SRTL50RMBP1U-LI 50.4V / 18.85Ah / 950Wh Black metal shell, 16.7Kg
7	UN38.3 Tests Performed and Successfully Passed: T.1, T.2, T.3, T.4, T.5, and T.7. (Note that T.6 and T.8 are not applicable to batteries.)
8	Assembled Battery Testing Requirements: Not Applicable
9	Edition of UN Manual of Tests and Criteria Used: Seventh Revised Edition
10	Name and Title of Signatory:  Wenhsing Chang STL Lab Manager

UBP196A10AC1