

1.0 Products covered by this Test Summary

Model Number	Description	Notes
BG500	APC Back-UPS Pro 500 Lithium Ion UPS	
BG500-JP	APC Back-UPS Pro 500 Lithium Ion UPS JAPAN	
APCRBC146-LI	APC LI Replacement Battery Cartridge #146	

Physical Description of Products

Product is a 500 AH Household/Office Uninterruptible Power Supply (UPS) with a lithium ion battery to supply back-up power.

1.1 Batteries in Products

#	Model Number	Description	Notes
1	APCRBC146-LI	APC LI Replacement Battery Cartridge #146 (Battery Pack 4S1P Configuration)	Internally known as the 911-7001B
2			

1.2 Cells in Batteries

#	Model Number	Description	Notes
3	ANR26650M1B	ANR26650M1-B, LithiumWerks Nanophosphate® 3.3V 2.5Ah Lithium Iron Phosphate Battery	
4			

2.0 Manufacturers of Cells/Batteries

2.1 Battery/Cell Maker #1

Name	Address	Phone	Website
DARFON ELECTRONICS CORP.	99 Zhu Yuan Road, New District, Suzhou 215011 CHINA	+886-3-250-8800	www.darfon.com.tw
NOTES:			

2.1 Battery/Cell Maker #3

Name	Address	Phone	Website
A123 Systems LLC (Wanxiang America Inc.)	39000 Seven Mile Road Livonia, MI 48152 United States	+1 734-772-0300	www.a123systems.com
NOTES:			

3.0 Test Laboratories of Cells / Batteries

3.1 Battery/Cell Maker #1

Name	Address	Phone	Website
DARFON ELECTRONICS CORP.	99 Zhu Yuan Road, New District, Suzhou 215011 CHINA	+886-3-250-8800	www.darfon.com.tw
Test ID No:	HBN130801A		
Date:	August 14, 2013		
NOTES:			

	Lithium Ion Cell
XXX	Lithium Ion Battery

	Lithium Metal Cell
	Lithium Metal Battery

3.1 Battery/Cell Maker #3

Name	Address	Phone	Website
Test ID No:			
Date:			
NOTES:			

	Lithium Ion Cell
	Lithium Ion Battery

	Lithium Metal Cell
	Lithium Metal Battery

4.0 Parameters of Cells/Batteries

Parameters	Cell	Battery
Mass in gram (g)	76	540
Lithium ion Indicate watt-hour rating (Wh)	8.25 Wh	33 Wh
Lithium metal Indicate lithium metal content in gram (g)	N/A	N/A

Physical Description of Cells / Batteries

Battery Pack is a plastic encased cartridge containing four cells in 4S1P configuration.

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 - for cylindrical cells having a diameter of at least 18mm. See Section 6.0	X		
T6 – Crush - for prismatic cells, pouch cells, button cells and cylindrical cells having a diameter of less than 18mm. See Section 6.0			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 T6 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
	YES

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

ST/SG/AC. 10/11/Rev. 5/Amend. 2 UN38. 3

9.0 Manufacture of the cell / battery is in accordance with quality management system as required by the regulations:

10.0 Certification

Company: Schneider Electric – Secure Power Division

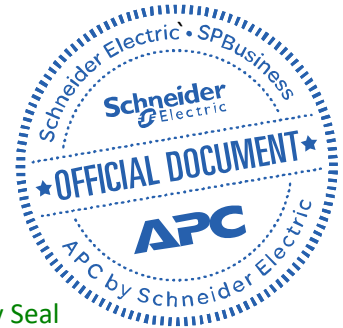
Signature:



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Company Seal