

1.0 Products covered by this Test Summary

Model Number	Description	Notes
BGE50ML	APC Back-UPS Connect 50 Lithium Ion Network UPS, Mobile Power Bank 120V	M12USWH Packed with each UPS Unit
BGE50ML-CA	APC Back-UPS Connect 50 Lithium Ion Network UPS, Mobile Power Bank 120V, Canada	
BGE50ML-JP	APC Back-UPS Connect 50 Lithium Ion Network UPS, Mobile Power Bank 100V, Japan	
M12USWH, M12USWH-JP	APC BACK-UPS CONNECT 50 MOBILE POWER PACK, 11400MAH, LI-ION	Battery Pack, internally called the 911-7002 and 911-7003

Physical Description of Products

Product is a Household/Office Uninterruptible Power Supply (UPS) with a removable lithium ion battery/powerbank (M12USWH) to supply back-up power.



M12USWH



BGE50ML with Battery Pack

1.1 Batteries in Products

#	Model Number	Description	Notes
1	M12USWH	APC BACK-UPS CONNECT 50 MOBILE POWER PACK, 11400MAH, LI-ION	
2			

1.2 Cells in Batteries

#	Model Number	Description	Notes
3	LGDBMG11865 (INR18650MG1)	Cylindrical Rechargeable Lithium Ion Battery, INR 18650 MG1 2850mAh 3.6V nominal	10.26 Wh Nominal
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
LG Chem	20 YOIDO-DONG YOUNGDUNGPO-GU, SEOUL 150-721, KOREA	+82 2-3773- 7417	http://www.lgchem.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:	HBN140802A		
Date:	August 25, 2014		
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)	46	270
Lithium ion Indicate watt-hour rating (Wh)	10.26 Wh	41.2 Wh
Lithium metal Indicate lithium metal content in gram (g)	N/A	N/A

Physical Description of Cells / Batteries

Battery Pack/powerbank is a plastic encased cartridge containing 4 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

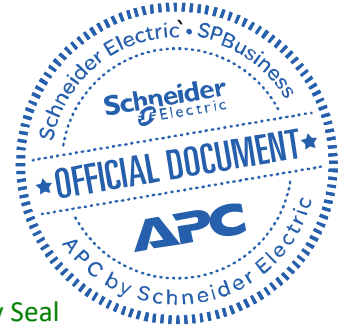
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Company Seal