

LITHIUM CELL/BATTERY TEST SUMMARY AND SUPPLIER INQUIRY

IN ACCORDANCE WITH SUB-SECTION 38.3
OF MANUAL OF TESTS AND CRITERIA

N/A = Not Applicable

1. Name of cell / battery
RECHARGEABLE LI-POLYMER BATTERY

2. Manufacturer of cell / battery	
Name	Guangdong Pow-Tech New Power Co., Ltd.
Address	No. 9, HengDong 3 Road, Hengkeng Shiling Industry Zone, Liaobu Town, Dongguan
Phone	0769-83527566
Email	chris.nany@szpowtech.com.cn
Website	www.szpowtech.com.cn

3. Test laboratory of cell / battery	
Name	Vkan Certification & Testing Co., Ltd
Address	No. 3, Tianlaiyi Road, Kaitai Avenue, Science City, Guangzhou P.R. China
Phone	86-020-32293888
Email	office@cvc.org.cn
Website	help://www.cvc.org.cn

4. ID-number and date			
Unique test report identification number	RZUN 2019-0496	Date of test report	2019-03-21

DESCRIPTION OF CELL / BATTERY

5. Mark the type of cell/battery with an "x"			
☒	Lithium ion cell	Lithium metal cell	☐
☒	Lithium ion battery	Lithium metal battery	☐
☐	Lithium hybrid battery		

6. Parameters	Cell	Battery
Mass in gram (g):	39.5	436
Lithium ion: Indicate watt-hour rating (Wh):	9.51	9.51
Lithium metal: Indicate lithium metal content in gram (g):	0.77	0.77
Lithium hybrid: Indicate lithium metal content in gram (g) and watt-hour rating (Wh):		0.77 g 9.51 Wh

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Name of cell/battery (taken from field 1)

7. Physical description of cell / battery

silver Prismatic

8. Model numbers

PT 763871 3.7V 2570mAh 9.51Wh

TESTS AND RESULTS

9. List of tests conducted and results - Mark N/A, pass or fail with an "●"	N/A	pass	fail
T1 - Altitude simulation	☐	☒	☐
T2 - Thermal Test	☐	☒	☐
T3 - Vibration	☐	☒	☐
T4 - Shock	☐	☒	☐
T5 - External Short Circuit	☐	☒	☐
T6 - Impact / Crush	☐	☒	☐
T7 - Overcharge	☐	☒	☐
T8 - Forced Discharge	☐	☒	☐
	☐	☐	☐
	☐	☐	☐

10. Reference to assembled battery testing requirements

Not applicable

N/A

11. Reference to the revised edition of the Manual of Tests and Criteria used and to amendments thereto

ST / SG / AC 10/11 / Rev 6 / Amend 11 Section 38.3

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ADDITIONAL SUPPLIER INQUIRY

12. Quality management system for manufacturing cells / batteries Does the manufacturer of the cell/battery manufacture the products based on a documented quality management system according to transport regulations?	☒	YES	NO	☐
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13. Are the following parameters exceeded? Lithium ion cell: more than 20 Wh Lithium ion battery: more than 100 Wh Lithium metal cell: more than 1 g Lithium Lithium metal battery: more than 2 g Lithium Lithium hybrid Battery: more than 1,5 g Lithium and/or more than 10 Wh	☐	YES	NO	☒
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Check point 14 – 16 need to be answered when 13 has been ticked "YES":

14. Does each cell / battery incorporates a safety venting device or is designed to preclude a violent rupture under normal conditions of carriage?	☐	YES	NO	☐
15. Is each cell / battery equipped with an effective means of preventing external short circuits?	☐	YES	NO	☐
16. Is each battery containing cells or series of cells connected in parallel equipped with effective means as necessary to prevent dangerous reverse current flow (e.g. diodes, fuses, etc.)?	☐	N/A	YES	NO

17. Only in air transport: State of Charge (SoC) for UN 3480 Lithium ion cells/batteries and lithium polymer cells/batteries				
State of Charge (SoC) max. 30 %	☒	YES	NO	☐

CELLS/BATTERIES INSTALLED IN EQUIPMENT

18. Check point 18 needs to be answered when the cells / batteries are installed in articles:				
18.a) Only button cells enclosed?	☐	YES	NO	☒
18.b) Number of enclosed cells (other than button cells)/batteries per equipment				
/	Enclosed cells per equipment	Enclosed batteries per equipment	/	
When the equipment is intentionally active/switched on during transport e.g. data loggers:				
18.c) Confirmation that no dangerous amount of heat is emitted from the equipment	☐	N/A	☒	YES
18.d) Confirmation that the equipment when transported by air fulfills the defined air transport standards for electromagnetic radiation according to DO-160	☐	N/A	☒	YES

19. Place, Date	20. Title, Surname, First name	21. Company stamp and signature
2020. 3. 26.	杨涛	品质部专用章