

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-ion Battery PACK	

2. Manufacturer of cell / battery	
Name	zhejiang KAN Battery co., Ltd.
Address	No. 998 Kaizen Road, Suzichang, 323300, zhejiang, china
Phone	0086-0578-8180572
Email	Wuhaojun@kanbattery.com
Website	www.kanbattery.com

3. Test laboratory of cell / battery	
Name	Shanghai Research Institute of chemical Industry Testing Centre
Address	Testing Hall, 2779 Guangfu West Road, Putuo District, Shanghai
Phone	021-31015243
Email	Center@ghs.cn
Website	www.ghs.cn

4. ID-number and date			
Unique test report identification number	2121376779	Date of test report	2020-12-17

DESCRIPTION OF CELL / BATTERY

5. Mark the type of cell/battery with an "•"			
<input type="checkbox"/>	Lithium ion cell	<input type="checkbox"/>	Lithium metal cell
<input checked="" type="checkbox"/>	Lithium ion battery	<input type="checkbox"/>	Lithium metal battery
<input type="checkbox"/>	Lithium hybrid battery		

6. Parameters	Cell	Battery
Mass in gram (g):		
Lithium ion: Indicate watt-hour rating (Wh):		
Lithium metal: Indicate lithium metal content in gram (g):		
Lithium hybrid: Indicate lithium metal content in gram (g) and watt-hour rating (Wh):		0.238g 2.75 Wh

LITHIUM CELL/BATTERY TEST SUMMARY AND SUPPLIER INQUIRY

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

Name of cell/battery (taken from field 1)

7. Physical description of cell / battery
Rechargeable Li-ion battery

8. Model numbers
18650-251P

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
N/A

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



LITHIUM CELL/BATTERY TEST SUMMARY AND SUPPLIER INQUIRY

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

Name of cell/battery (taken from field 1)

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?	<input checked="" type="radio"/>	YES	NO	<input type="radio"/>
--	----------------------------------	-----	----	-----------------------

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	<input type="radio"/>	YES	NO	<input checked="" type="radio"/>
--	-----------------------	-----	----	----------------------------------

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?	<input type="radio"/>	YES	NO	<input type="radio"/>
15. Is each cell / battery equipped with an effective means of preventing external short circuits?	<input type="radio"/>	YES	NO	<input type="radio"/>
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.)?	<input type="radio"/>	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 %	<input type="radio"/>	YES	NO	<input type="radio"/>

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?	<input checked="" type="radio"/>	YES	NO	<input type="radio"/>	
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	<input type="radio"/>	N/A	<input checked="" type="radio"/>	YES	NO
18.d) Confirmation that the equipment when transported by air fulfills the defined air transport standards for electromagnetic radiation according to DO-160	<input type="radio"/>	N/A	<input checked="" type="radio"/>	YES	NO

19. Place, Date	20. Title, Surname, First name	21. Company stamp and signature
Yuyao 2021-3-11	Salesman David Zhong	 宁波杨子电器有限公司 NINGBO YOUTH ELECTRIC APPLIANCE CO., LTD.

