

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
LITHIUM CELL ICR 18650 - 2000mAh

2. Manufacturer of cell / battery	
Name	Qixin Advanced Power Source Materials Co.,LTD
Address	Sanliqiao, Xinhui Road,Xinxian city, Henan province 453002, P. R. China
Phone	0373-2688565
Email	qixinbattery@yeah.net
Website	www.qixinkeji.com

3. Test laboratory of cell / battery	
Name	Shanghai Research Institute of Chemical Industry Testing Co.,LTD
Address	No.345 Yunling East Road, Shanghai city, China
Phone	021-31765555
Email	zmh@ghs.cn
Website	www.ghs.cn

4. ID-number and date			
Unique test report identification number	1117110106	Date of test report	2017-12-12

DESCRIPTION OF CELL / BATTERY

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

6. Parameters	Cell	Battery
Mass in gram (g):	43	
Lithium ion: Indicate watt-hour rating (Wh):	7.4	
Lithium metal: Indicate lithium metal content in gram (g):	1.1	
Lithium hybrid: Indicate lithium metal content in gram (g) and watt-hour rating (Wh):		g Wh



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Name of cell/battery (taken from field 1)

7. Physical description of cell / battery
ICR 18650

8. Model numbers
ICR 18650

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	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
T2 - Thermal Test	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
T3 - Vibration	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
T4 - Shock	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
T5 - External Short Circuit	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
T6 - Impact / Crush	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
T7 - Overcharge	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
T8 - Forced Discharge	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

10. Reference to assembled battery testing requirements	
UN 38.3 62133	N/A

11. Reference to the revised edition of the Manual of Tests and Criteria used and to amendments thereto
Rev. 6



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

19. Place, Date	20. Title, Surname, First name	21. Company stamp and signature
2019. 12. 13 China	Charles. Duan	WuYi S-Long hardware. co.LTD

武义县盛隆金属制品有限公司
WUYI S-LONG HARDWARES CO.,LTD

