

LITHIUM CELL TEST SUMMARY AND SUPPLIER INQUIRY

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

Name/Description of cell / model n o. of Product	
Single cell ion battery	TX-81

Manufacturer of cell

Name	深圳比亚特能源有限公司
Address	深圳市光明新区光明办事处白花社区第一工业区 8-148 栋四楼
Phone	86-755-23229807 36697278
E-Mail	info@bytbattery.com
Website	https://bytbattery.diytrade.com/

Manufacturer

Name	Technaxx Deutschland GmbH & Co. KG
Address	Kruppstraße 105, 60388 Frankfurt am Main
Phone	+49 [69] 90 47552 0
E-Mail	Zentrale@technaxx.de
Website	http://www.technaxx.de/

Test laboratory of cell 电池测试实验室

Name	深圳安博检测股份有限公司
Address	广东省深圳市宝安区西乡街道后瑞第三工业区 A 栋四楼东
Phone	86-755-26066126
E-Mail	service@banbotek.com
Website	www.anbotek.com

ID-number and date

Unique test report identification number	18270BC00046501
Date of test report	2020-03-27

DESCRIPTION OF CELL (Mark with an "X")

Lithium ion cell	X
Lithium metal cell	

Parameters

Mass in gram (g): 重量 (g)	
Lithium ion: Indicate watt-hour rating (Wh):	2.45
Lithium metal: Indicate lithium metal content in gram (g):	0.37

Physical description of cell

Single cell ion battery

Model numbers

301429

TESTS AND RESULTS

List of tests conducted and results - Mark N/A, pass or fail with an "X"	N/A	Pass	Fail
T1 - Altitude simulation		X	
T2 - Thermal Test		X	
T3 – Vibration		X	
T4 – Shock		X	
T5 - External Short Circuit		X	
T6 - Impact - for cylindrical cells having a diameter of at least 18 mm		X	
T6 - Crush - for prismatic cells, pouch cells, button cells and cylindrical cells having a diameter of less than 18 mm		X	
T7 – Overcharge		X	
T8 - Forced Discharge		X	

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

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ADDITIONAL SUPPLIER INQUIRY

Mark Yes or no with an "X"	Yes	No
Quality management system for manufacturing cells Does the manufacturer of the cell/battery manufacture the products based on a documented quality management system according to transport regulations?	X	
Are the following parameters exceeded? Lithium ion cell: more than 20 Wh Lithium metal cell: more than 1 g Lithium	X	

Check point 13 – 15 need to be answered when 12 has been ticked "YES":

Mark Yes or no with an "X"	Yes	No
Does each cell incorporates a safety venting device or is designed to preclude a violent rupture under normal conditions of carriage?	X	
Is each cell equipped with an effective means of preventing external short circuits?	X	
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.) Not relevant for cells	X	

Only in air transport: State of Charge (SoC) for UN 3480 Lithium ion cells and lithium polymer cells


State of Charge (SoC) max. 30 %	X	
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CELLS INSTALLED IN EQUIPMENT

Check point 17 needs to be answered when the cells are installed in articles: Mark N/A, pass or fail with an "X"	N/A	Pass	Fail
17c) Only button cells enclosed?	X		
17b) Number of enclosed cells (other than button cells) per equipment			
When the equipment is intentionally active/switched on during transport e.g. data loggers:			
17c) Confirmation that no dangerous amount of heat is emitted from the equipment		X	
17d) Confirmation that the equipment when transported by air fulfills the defined air transport standards for electromagnetic radiation according to DO-160		X	

Please mark the correct column with an X		
	X	
Single Cell or Battery	Build in Cell/ Battery	Over 100Wh

LITHIUM - METALL  Einzel Zelle / Batterie	LITHIUM - IONEN  Zelle / Batterie in Ausrüstungen	LITHIUM - IONEN BATTERIE mit MEHR als 100 Wh 
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Place, Date	Signature	Company stamp and Signature
Frankfurt, 10.12.2019		Technaxx Deutschland GmbH & Co. KG · Kruppstr. 105 · 60388 Frankfurt a.M. Fon +49(0)69/90 47 55 2-0 · Fax -16