

LITHIUM CELL TEST SUMMARY AND SUPPLIER INQUIRY

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

<i>Name/Description of cell / model n o. of Product</i>	
	BT-X44 /45

Manufacturer of cell

Name	HUNAN HUAHUI NEW ENERGY CO.,LTD.
Address	No.8,Zizhu road,Heshan Distrcit,Yiyang,Hunan
Phone	0737-2683335
E-Mail	cqq@huahuienergy.com
Website	www.huahuienergy.com

Manufacturer of the equipment (if the cell is contained in equipment)

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

Name	<i>Pony Testing international group ShenZhen Co.,Ltd.</i>
Address	Building 6, Zhongxing Industrial City, Chuangye Road, Nanshan District, Shenzhen
Phone	0755-26050909
E-Mail	sz@ponytest.com
Website	http://www.ponytestsz.com/

ID-number and date

<i>Unique test report identification number</i>	MNIYJSFX92361721
<i>Date of test report</i>	2019-6-21

DESCRIPTION OF CELL (Mark with an "X")

<i>Lithium ion cell</i>	X
<i>Lithium metal cell</i>	N.A.

Parameters

<i>Mass in gram (g):</i>	30.07-31.30
<i>Lithium ion: Indicate watt-hour rating (Wh):</i>	3.7
<i>Lithium metal: Indicate lithium metal content in gram (g):</i>	N.A.

Physical description of cell

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Model numbers

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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 cell 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 incorporate 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 needstobeansweredwhenthecellsareinstalled in articles: Mark N/A, pass orfailwith an "X"	N/A	Pass	Fail
17c) Onlybuttoncellsenclosed?	X		
17b) Numberofenclosedcells (otherthanbuttoncells) per equipment	X		
Whentheequipmentisintentionallyactive/switched on duringtransport e.g. dataloggers:			
17c) ConfirmationthatnodangerousamountofheatiseMITTEDfromtheequipment		X	
17d)ConfirmationthattheequipmentwhentransportedbyairfulfillstheDEFINEDairtransportstandardsforelectromagneticradiationaccordingto DO-160	X		

Please markt he correctcolumnwith an X		
	X	
Single CellorBattery	Build in Cell/ Battery	Over 100Wh
		

Place, Date	Title, Surname, First Name CEO Pekcan, Pascal	Company stamp
2019-12-18	