

LITHIUM CELL TEST SUMMARY AND SUPPLIER INQUIRY

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

Name/Description of cell
Technaxx Jump starter TX-219

Manufacturer of cell

Name	Shida Battery Technology Co., Ltd.
Address	30 Xingye Road, Shishan Industrial Park, Nanhai District, Foshan City, Guangdong, P.R. China.
Phone	+86-13420613525
E-Mail	lh@shida-batteries.com
Website	http://www.shida-batteries.com

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

Name	Guangdong Smarter M&E Technology Co., Ltd
Address	38th, Yanjiangdongsi Road, Huoju Industrial Zone, Zhongshan City, Guangdong Province, China
Phone	TEL :86-760-89829788
E-Mail	sales@zjsmarter.com
Website	http://www.smarter-auto.com

Test laboratory of cell

Name	GUANGDONG UTL CO., LTD.
Address	Lianding Testing Building, No.18 Center Road of Yayuan Industrial Zone, Nancheng District, Dongguan, Guangdong, China.
Phone	+86-0769-38933228
E-Mail	utl@gdutil.com
Website	http://www.gdutil.com

ID-number and date

Unique test report identification number	PNS221123230 01001
Date of test report	2022-11-28

DESCRIPTION OF CELL (Mark with an“X”)

Lithium ion cell	X
Lithium metal cell	

Parameters

Mass in gram (g):	1214
Lithium ion: Indicate watt-hour rating (Wh):	44.8Wh
Lithium metal: Indicate lithium metal content in gram (g):	N/A

Physical description of cell

外观: 方形 Appearance: Prismatic shape 气味: 泄漏时, 有醚的气味。 Odour: If leaking, smells of medical ether. 气味阈值: 不适用。 Odor Threshold: Not applicable. 酸碱度: 不适用。 pH: Not applicable. 熔点/冰点: 不适用。 Melting Point/freezing point: Not applicable. 起始沸点和沸腾范围: 不适用。 Initial boiling point and Boiling range: Not applicable. 闪点: 不适用。 Flash Point: Not applicable. 蒸发速率: 不适用。 Evaporation rate: Not applicable. 易燃性 (固态, 气态): 不适用。	Flammability (solid, gas): Not applicable. 上下易燃极限或爆炸极限: 不适用。 Upper/lower flammability or explosive limits: Not applicable. 蒸汽压力: 不适用。 Vapor Pressure: Not applicable. 蒸汽密度: 不适用。 Vapor Density: Not applicable. 相对密度: 不适用。 Relative density: Not applicable. 溶解性 (水溶性): 不适用。 Solubility (water): Not applicable. 溶解性 (其他): 不适用。 Solubility (other): Not applicable. n-辛醇/水分配系数: 不适用。 n-octanol/water partition coefficient: Not applicable. 自燃温度: 不适用。 Auto-ignition temperature: Not applicable. 分解温度: 不适用。 Decomposition temperature: Not applicable.
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Model numbers

F9643125TP

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

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

Single Cell or Battery	Build in Cell/ Battery	Over 100Wh
 <p>LITHIUM - METALL UN 3090 Einzel Zelle / Batterie</p>	 <p>LITHIUM - IONEN UN 3481 Zelle / Batterie in Ausrüstungen</p>	 <p>LITHIUM - IONEN BATTERIE mit MEHR als 100 Wh</p>

	x	
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Place, Date	Pascal Pekcan	Company stamp
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