

TEST SUMMARY LITHIUM CELLS & BATTERIES

Sub-Section 38.3 of the UN Manual of Tests and Criteria

This test summary concerns the following article/s:

* = mandatory field

Article description*:
Lithium-Ionen-Akku ED07002_02 36V 7,5Ah 270Wh
EAN Code*:
4250845938563

1. Name/description of the cell or the battery*
Zündapp Green 1.0 / Zündapp Z101 / Galano Sector 20 full integrated battery

1a. (for batteries only)* name/description of cells inside the battery
TFL-ITR18650-2500P 3,6V 2,5Ah 9Wh (2500mAh CZG01T027591)

The test summary of the cells inside the battery must either be presented or under checkpoints 9 and 9a it must be confirmed that the UN 38.3 test summary for the cells is available.

2. Manufacturer of cell/battery or, if contained in the article (built-in), name the article's manufacturer:	
Name*	Pentagon Sales GmbH
Address*	Lindenstraße 31 - 33 in 73479 Ellwangen (Jagst)
Phone*	+49 (0) 7961 967 97 80
Email*	sales@pentagonsales.de
Website*	www.pentagonsales.de

3. Test laboratory	
Name*	National Light Industry Quality Supervision and Testing Center of Battery Energy Storage Materials Test Center of National Engineering Research Center of Advanced Energy Storage Materials Co., Ltd.
Address*	No.B102, 1/F., Lankun Group Building B, No.29, Baoshi Road, Xin'an Street, Bao'an District, Shenzhen, Guangdong, China
Phone*	86-755-22678313
Email*	service@cescert.com
Website*	www.cescert.com

4. Test Summary ID			
Unique test report identification no. *	CESUN200604001	Date of test report*	18.06.2020

5. type of cell or battery			
<input type="radio"/>	Lithium ion cell	Lithium metal cell	<input type="radio"/>
<input checked="" type="radio"/>	Lithium ion battery	Lithium metal battery	<input type="radio"/>
<input type="radio"/>	Lithium hybrid battery		

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Name/description of cell/battery

ED07002_02

6. Parameters	battery/cell
Mass in gramm (g)*:	1875 / 42,2
(only for lithium ion & lithium hybrid:)* indicate watt-hour rating (Wh):	270 / 9
(only for lithium metal & lithium hybrid:)* indicate lithium metal content in gram (g):	

7. Physical description of cell/battery*
Li-NMC (LiNixCoyMnzO2)

8. Model numbers*
Art.-Nr.: ED07002_02 Art.-ID: 811283 GTIN: 4250845938563

TESTS AND RESULTS

9. List of tests conducted and results mark ,N/A'(not applicable), ,pass' oder ,fail' with "●"	N/A	pass	fail
T1 - Altitude simulation†		⊗	
T2 - Thermal Test *		⊗	
T3 - Vibration*		⊗	
T4 - Shock *		⊗	
T5 - External Short Circuit*		⊗	
T6 - Impact - for cylindrical cells having a diameter of at least 18 mm*		⊗	
T6 - Crush - for prismatic cells, pouch cells, button cells and cylindrical cells having a diameter of less than 18 mm*			
T7 - Overcharge*		⊗	
T8 - Forced discharge, only valid for cells. see check point 1a and 9a ‡		⊗	

9a. Only for batteries *:
UN 38.3 Test Confirmation for the Cells inside the battery
Required only, if no separate document for the cells is provided: This confirms that the cells inside the battery have successfully passed the UN 38.3 test.



Cell
UN 38.3 Test
confirmed

Cell
UN 38.3 Test
NOT
confirmed

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Name/description of cell (taken from field 1)

ED07001_01

10. Only for batteries*: Reference to assembled battery testing requirements

UN Manual of Tests and Criteria Section
ST/SG/AC. 10/11/Rev. 5/Amend. 1 38.3 Test T. 1 - T. 8

N/A

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

ADDITIONAL INFORMATION

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?

☒

YES

NO

13. Only for cells*: Are the following parameters exceeded?
Lithium ion cell: more than 20 Wh
Lithium metal cell: more than 1 g lithium

YES

NO

☒

14. Only for batteries*: Are the following parameters exceeded?
Lithium ion battery: more than 100 Wh
Lithium metal battery: more than 2 g lithium
Lithium hybrid battery: more than 1.5 g lithium and/or more than 10 Wh

☒

YES

NO

15. State the article's UN number for transportation (hazardous material)

UN 3480

16. Place, Date

20.08.20

17. Surname, First Name

Stuehlich, Tobias

18. Supplier's company stamp and signature



PENTAGON
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