

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 ED07028 ZZ3741004 36V 11,6Ah 417,6Wh (EP1020614)
EAN Code*:
4250845946780

1. Name/description of the cell or the battery*
Zündapp Z810 Greenway battery
1a. (for batteries only)* name/description of cells inside the battery
18650 3,6V 2900mAh 10,44Wh

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*	Guangdong Greenway Technology Co., Ltd
Address*	Tongui Road, Dongcheng Science Park, Dongguan, China
Phone*	(+86)769 27282088
Email*	info@greenway-battery.com
Website*	www.greenway-battery.com

3. Test laboratory	
Name*	Precise Testing & Certification (Guangdong) Co., Ltd.
Address*	Tongui Road, Dongcheng Science Park, Dongguan, China
Phone*	86-769-3880 8222
Email*	inquiry@ptc-testing.com
Website*	www.ptc-testing.com

4. Test Summary ID			
Unique test report identification no. *	PTC20021900703S-LD01	Date of test report*	17.02.2020

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		<input type="radio"/>

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Name/description of cell/battery
ED07028

6. Parameters	battery/cell
Mass in gramm (g)*:	1900 / 47,5
(only for lithium ion & lithium hybrid:)* indicate watt-hour rating (Wh):	417,6 / 10,4
(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. (Pentagon Sales): ED07028 Art.-Nr. (Leader): EP1020614 Artikel-ID (Pentagon Sales): 812712 Ident-Nr. (Greenway): ZZ3741004 XXXX GTIN (Pentagon Sales): 4250845946780

TESTS AND RESULTS

9. List of tests conducted and results mark ,N/A'(not applicable), ,pass' oder ,fail' with "x"	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 4a 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)
ED07028

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?	<input checked="" type="radio"/>	YES	NO	
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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	<input checked="" type="radio"/>
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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	<input checked="" type="radio"/>	YES	NO	
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15. State the article's UN number for transportation (hazardous material)
UN 3480

16. Place, Date	17. Surname, First Name	18. Supplier's company stamp and signature
Eilwangen, 16.07.27		 PENTAGON SALES GMBH 

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