

LITHIUM BATTERIES TEST SUMMARY

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

Revision 5

Product Manufacturer: Triathlon Batterien GmbH T: +49 3763 / 77 85-0
 Siemensstraße 1 E: Info@triathlon-batterien.de
 08371 Glauchau, U: www.triathlon-batterien.de

Triathlon Lithium Batteries have been successfully tested and comply with UN Model Regulations, Manual of Test and Criteria, Part III, subsection 38.3.

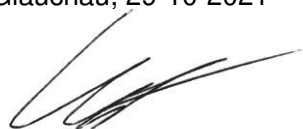
Performed Tests		Results			
		Cell 38.3.2.1	Module 38.3.3 (b)	Battery < 6200 Wh 38.3.3 (f)	Battery > 6200 Wh 38.3.3 (g)
38.3.4.1	T1 Altitude Simulation	Passed	Passed	NA	NA
38.3.4.2	T2 Thermal Test	Passed	Passed	NA	NA
38.3.4.3	T3 Vibration	Passed	Passed	Passed	NA
38.3.4.4	T4 Shock	Passed	Passed	Passed	NA
38.3.4.5	T5 External Short Circuit	Passed	Passed	Passed	Passed
38.3.4.6	T6 Impact / Crush	Passed	NA	NA	NA
38.3.4.7	T7 Overcharge	NA	NA	Passed	Passed
38.3.4.8	T8 Forced Discharge	Passed	NA	NA	Passed

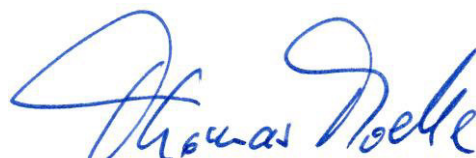
The UN 38.3 tests were performed by one of the following test houses and were tested to UN Test Criteria Revision 3 Amendment 1 or subsequent revision or amendments.

Cell tested by: SCM (South China National Centre of Metrology) No. 30 Songbaidong Street Guangyuanzaong Road, Guangzhou, P.R. China E: scm@scm.com.cn T: (8620) 8659 4172 U: www.scm.com.cn Report No: DCW201603260 Date of Report: 2016.05.04	Module tested by: Cetecom ICT Services GmbH Untertürkheimer Strasse 6-10 66117 Saarbrücken / Germany E: ict@cetecom.com T: +49 681 598-0 U: www.cetecom.com Report No: 1-2341/16-01-02B Date of Report: 2016.09.16
Battery tested by: Axxellon GmbH Am Eichenwald 15 09356 Sankt Egidien / Germany E: kontakt@axxellon.de T: +49 37204 9293-10 U: www.axxellon.de Report No: 2018-03-OC-002 Date of Report: 29.03.2018	Module tested by: CTC advanced GmbH Untertürkheimer Strasse 6-10 66117 Saarbrücken / Germany E: mail@ctcadvanced.com T: +49 681 598-0 U: www.ctcadvanced.com Report No: 1-2851/16-01-02-A Date of Report: 2017.01.30 Report No: 1-2852/16-01-02-A Date of Report: 2017.01.31

Product Information see Attached table:

Glauchau, 29-10-2021


 Uwe Zimmermann
 Technical Manager


 Thomas Moelle
 Product Manager

Modular Triathlon Lithium Batteries

Type: Battery

Cell-Type: Prismatic

Battery Management System: Yes

Nominal Cell Voltage: 3,65V

Additional Information: Models of TC are just distinguishable in their outer design

Voltage	Type	Energy [Wh]			Capacity (Ah)			Mass [kg]		Number of cells		
		min.	max.	steps	min.	max.	steps	min.	max.	min.	max.	steps
24 V	TC7407-01...TC7407-16	1,890.0	30,240.0	1,890.0	74	1,184	74	100	915	14	224	14
48 V	TC7407-02...TC7407-30	3,780.0	56,700.0	3,780.0	74	780	74	100	1,765	28	420	28
80 V	TC7411-02...TC7411-48	5,942.0	130,724.0	5,942.0	74	1,248	74	100	2,650	44	1,056	44