

Lithium Ion Battery Test Summary

LITHIUM CELLS OR BATTERIES TEST SUMMARY IN ACCORDANCE WITH SUB-SECTION 38.3 OF UN MANUAL OF TESTS AND CRITERIA

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Lithium Ion cells and Rokamat Lithium-Ion-batteries LiHD have been successfully tested and comply with UN Model Regulation, Manual of Test and Criteria, Part III subsection 38.3

PERFORMED TESTS			RESULTS	
			Cells	Batteries
38.3.4.1	T1	Altitude Simulation	Pass	Pass
38.3.4.2	T2	Thermal Test	Pass	Pass
38.3.4.3	T3	Vibration	Pass	Pass
38.3.4.4	T4	Shock	Pass	Pass
38.3.4.5	T5	External Short Circuit	Pass	Pass
38.3.4.6	T6	Impact / Crush	Pass	Not applicable
38.3.4.7	T7	Overcharge	Not applicable	Pass
38.3.4.8	T8	Forced Discharge	Pass	Not applicable

The UN38.3 tests were performed at least by one of the following test houses and were tested to UN Manual Test and Criteria Revision 3 Amendment 1 or subsequent revisions or amendments.

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Product Test Information - Cells

Model	Physical Description	Weight	Rating	Test report	
		[kg]	[Wh]	number	date
INR-21700	Li-ion cylindrical cell	0,067	14,4	SDI-UN-170306-01	2017-03-06

Product Test Information – Batteries 18V

Batteries are exchangeable and can be used in all 18 V products

Model number	Physical Description	Weight	Rating	SoC	Test report		
		[kg]	[Wh]	[%]	number	date	regulation
LiPower 08050 637310000 321001220	Li-Ion 18 V - 5,2 Ah 5S2P	0,670	93,6	> 20 < 30	28247087 001	2019-02-20	UN 3480 UN 3481
LiHD 08051 637069000 321001170	Li-Ion 18 V - 8,0 Ah 5S2P	0,977	144,0	> 20 < 30	28246520 001	2018-09-17	UN 3480 UN 3481
LiHD 08052 637178000 321001610	Li-Ion 18 V - 10,0 Ah 5S2P	0,996	180,0	> 20 < 30	T211-0815/20	2020-10-01	UN 3480 UN 3481

Signature of responsible person of the Company



Rolf Kammerer (digitally signed)
Managing director