

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

Product Manufacturer: STEINEL GmbH
Dieselstraße 80-84
D-33442 Herzebrock-Clarholz
Germany

Telephone: +49 5245 448 xxx
Email: mailadresse
Web: www.steinell.de

Lithium Ion cells and Steinel 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.

TÜV Rheinland InterCert Kft. Termék üzletág Villamos laboratórium Beke u. 41-43 H-1135 Budapest, Hungary Telephone: +36-1-461-1100 E-Mail: tuv@hu.tuv.com Web: www.tuv.hu	Samsung SDI Safety Center 467, Beonyeong-ro Seobuk-gu, Cheonan-si Chungcheongnam-do, Korea Telephone: +82-41-560-3114 E-Mail: sdimaster@samsung.com Web: www.samsungsdi.com
---	--

Product Test Information - Cells

Model number	Physical Description	Weight	Rating	Test report	
		[kg]	[Wh]	number	date
Samsung INR21700-40T	Li-ion cylindrical cell	0,067	14,4	SDI-UN-170306-01	2017-03-06
Samsung INR21700-30T	Li-ion cylindrical cell	0,070	10,8	SDI-UN-170331-01	2017-03-31

Product Test Information - Batteries

Model number	Physical Description	Weight	Rating	Test report	
		[kg]	[Wh]	number	date
Steinel Nr. xxx CAS 637418000 Base 321001000	Li-Ion, 18V - 4,0 Ah 5S1P, LiHD	0,584	72,0	28246518 001	2018-09-17
Steinel Nr. xxx CAS 637419000 Base 321000980	Li-Ion, 18V – 8,0 Ah 5S2P, LiHD	0,976	144,0	28246520 001	2017-12-05

Signature of responsible person of the Company



ppa. Bernd Fleischmann (digitally signed)

Vice President Product Engineering & Quality