

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 Monti Lithium-Ion-batteries Li-Power and 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
LiHD 637128000 321000740	Li-Ion 18V – 5,5 Ah 5S2P	0,845	99,0	> 20 < 30	BJ-AM50002CA	2015-04-28	UN 3480 UN 3481
LiHD 637055000 321000980	Li-Ion 18 V - 8,0 Ah 5S2P	0,977	144,0	> 20 < 30	28246520 001	2018-09-17	UN 3480 UN 3481

Signature of responsible person of the Company

Drs. J. F. Doddema
 Chief Executive Officer & Partner

History

Datum	Version	Benennung
01.10.2019	Rev. 1.0	Lithium Ion Battery Test Summary
01.10.2019	Rev. 1.0	Test Summary gem. EPTA-Vorlage
15.10.2019	Rev. 1.1	Tippfehler korrigiert
15.11.2019	Rev. 1.2	Test Reports 12V 2,0 und 4,0 Ah ergänzt, Historie ergänzt Produkte nach Spannungsklassen nachgetragen
02.01.2020	Rev. 1.3	Verschiedene Test Reports ergänzt Zellen und Akku-Packs von Tenpower ergänzt Hersteller und Benennung der Zellen entfernt
01.03.2020	Rev. 1.4	Für Packs Spalte mit SoC ergänzt (20% < SoC < 30%) Für Test Report Spalte mit Regulierung ergänzt (UN 3480/3481) Diverse Tippfehler korrigiert Panasonic als Prüflabor ergänzt
01.xx.20xx	Rev. 2.0	Lithium Ion Battery Test Summary