

## 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: fischerwerke GmbH & Co.KG  
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Lithium Ion cells and Fischer Lithium-Ion-batteries Li-Power and and CAS Li-Ion 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	
number		[kg]	[Wh]	number	date
INR18650	Li-ion cylindrical cell	0,045	7,2	SDI-UN-150630-03	2015-06-30

### Product Test Information – Batteries 18V

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

Model	Physical Description	Weight	Rating	SoC	Test report		
number		[kg]	[Wh]	[%]	number	date	regulation
Li-Power / Fischer Art.-Nr. 563787 637257000 321001670	Li-Ion 18 V – 2,0 Ah 5S1P	0,383	36,0	> 20 < 30	HU213J99 004	2021-05-21	UN 3480 UN 3481
Li-Power / Fischer Art.-Nr. 552930 637392000 321001680	Li-Ion 18 V – 4,0 Ah 5S2P	0,685	72,0	> 20 < 30	HU2177MB 001 HU219AFS 001 HU210YG9 001 HU21A74Q 001	2021-05-25 2021-05-21 2021-08-06 2021-09-09	UN 3480 UN 3481

### Signature of responsible person of the Company

ppa. Dr. Oliver Geibig (digitally signed)  
 Managing Director Business Units & Engineering