LITHIUM BATTERIES TEST SUMMARY

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

1	Product Manufacturer	C. & E. Fein GmbH Hans-Fein-Str. 81 73529 Schwäbisch Gmünd-Bargau Germany Phone: +49 (0)7173 183-0 Fax: +49 (0)7173 183-800 E-Mail: info@fein.de Webpage: www.fein.com
2	Model	12 V Li-Ion Battery
3	Voltage rating	12 V
4	Ah rating	3.0 Ah / 6.0 Ah
5	Wh rating	32.4 Wh / 64.8 Wh

These models of Lithium ion batteries have been successfully tested and comply with the UN Model Regulations, Manual of Test and Criteria, Part III, subsection 38.3

PERFORMED TESTS		RESULTS
38.3.4.1 T1	Altitude Simulation	Passed
38.3.4.2 T2	Thermal Test	Passed
38.3.4.3 T3	Vibration	Passed
38.3.4.4 T4	Shock	Passed
38.3.4.5 T5	External Short Circuit	Passed
38.3.4.7 T7	Overcharge	Passed

(Note that tests T6 and T8 are not applicable to batteries.)

Revision Date: 2020-01-30	Revision Number: 1.0
Name, Title: Alfred Schreiber, Dr. Stefan Böhm	Signature: i. V. A. Schr i. V. St. Böh

The UN 38.3 tests were performed by the following test house and was tested to UN Manual Test and Criteria Revision 3 Amendment 1 or subsequent revisions or amendments.

Test laboratory
Batteryuniversity GmbH Am Sportplatz 30 63791 Karlstein am Main Germany Phone: +49 (0)6188 – 99410-0 Fax: +49 (0)6188 – 99410-20 E-Mail: mail@bu-lab.eu Webpage: www.bu-lab.eu

LITHIUM CELLS OR BATTERIES TEST SUMMARY

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

OF UN MANUAL OF TESTS AND CRITERIA

Product Test Information

Model numbers	Physical Description	Battery weight (kg)	Wh rating	Test report number	Test report date	Applicable UN Numbers acc. to UN Model Regulations
B12A.183.01 18V 3.0Ah	**Detachable** slide in lithium-ion accumulator	0.260	32.4	BU-2018-09334-2-B1	14.06.2018	UN3480/ UN3481
B12A.183.02 18V 3.0Ah	**Detachable** slide in lithium-ion accumulator	0.260	32.4	BU-201800078-B1	21.08.2018	UN3480/ UN3481
B12A.183.03 18V 3.0Ah	**Detachable** slide in lithium-ion accumulator	0.260	32.4	BU-201900391-B2	04.07.2019	UN3480/ UN3481
B12A.184.01 18V 6.0Ah	**Detachable** slide in lithium-ion accumulator	0.445	64.8	BU-201800411-B1	04.12.2018	UN3480/ UN3481
B12A.184.02 18V 6.0Ah	**Detachable** slide in lithium-ion accumulator	0.445	64.8	BU-201800409-B1	21.12.2018	UN3480/ UN3481
B12A.184.03 18V 6.0Ah	**Detachable** slide in lithium-ion accumulator	0.445	64.8	BU-201900392-B1	04.07.2019	UN3480/ UN3481