

LITHIUM BATTERIES TEST SUMMARY

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

1	Product Manufacturer	Robert Bosch Power Tools GmbH Max-Lang-Straße 40-46 70771 Leinfelden-Echterdingen Germany +49-711-400-40990 kontakt@bosch.de
2	Model	Bosch Battery Pack GBA 14.4V
3	Voltage rating	14.4V
4	Ah rating	1.3Ah / 1.5Ah / 2.0Ah 2.6Ah / 3.0Ah / 4.0Ah
5	Wh rating	18.7Wh / 21.6Wh / 28.8Wh 37.4Wh / 43.2Wh / 57.6Wh

This model 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: 31.7.2019

Revision Number: 2.0

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The UN 38.3 tests were performed 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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LITHIUM CELLS OR BATTERIES TEST SUMMARY

IN ACCORDANCE WITH SUB-SECTION 38.3

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	UN Numbers acc. to UN-DGP	Proper Shipping Name acc. to UN-DGP
GBA 14.4V 1.3 Ah	Detachable slide in lithium-ion accumulator	0.275 0.280	18.7 Wh	D1HQ0001. 060711	18.01.2011 06.07.2011	UN3480	Lithium ion batteries
GBA 14.4V 1.5 Ah	Detachable slide in lithium-ion accumulator	0.280 0.280 0.270 0.270	21.6 Wh	UN_T1-T5 und T7_MR_L_14V4_L_G3_1Ah5_SDI15R_1st_PrePilot 080711 MR Alpha 14V4 1Ah5 G2 Sanyo W2 128 PgP UN Testing Rev5 MR Alpha 14V4 1Ah5 G2 SDI 096 PgP UN Testing Rev5 7191118960-EEC15	01.09.2010 06.07.2011 21.02.2013 05.11.2012 18.08.2015	UN3480	Lithium ion batteries
GBA 14.4V 2.0 Ah	Detachable slide in lithium-ion accumulator	0.295 0.293 0.296	28.8 Wh	G0JR0002 1158-12-MM-13-PP001 7191110841-EEC15-02	18.06.2013 08.01.2013 15.04.2015	UN3480	Lithium ion batteries
GBA 14.4V 2.6 Ah	Detachable slide in lithium-ion accumulator	0.481 0.485	37.4 Wh	21042011 100711	20.04.2011 06.07.2011	UN3480	Lithium ion batteries
GBA 14.4V 3.0 Ah	Detachable slide in lithium-ion accumulator	0.495 0.490	43.2 Wh	1169-10-MM-11-PP001 UN_T1-T5 T7_MR_XL_14V4_3Ah0_SDI15Q_G2_SCM	19.01.2011 01.10.2010	UN3480	Lithium ion batteries
GBA 14.4V 4.0 Ah	Detachable slide in lithium-ion accumulator	0.506 0.505 0.507 0.507 0.513 0.512	57.6 Wh	1169-12-MM-13-PP001 UN_014_21 1082-14-MM-14-PP001 1103-13-MM-13-PP001 91110841-EEC15-02 7191129276-EEC16	14.01.2013 25.09.2014 10.01.2014 10.09.2013 29.04.2015 28.01.2016	UN3480	Lithium ion batteries