

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 36V
3	Voltage rating	36V
4	Ah rating	1.3 Ah / 2.0Ah 2.6Ah / 4.0Ah 4.5Ah / 6.0Ah / 9.0Ah
5	Wh rating	46.8Wh / 72.0 Wh / 93.6 Wh / 144.0 Wh 162.0 Wh / 216.0 Wh / 324.0 Wh

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 36V 1.3 Ah	Detachable slide in lithium-ion accumulator	0.690 0.710 0.690	46.8 Wh	30310 20042011 E0BR0003	03.03.2010 20.04.2011 06.09.2011	UN3480	Lithium ion batteries
GBA 36V 2.0 Ah	Detachable slide in lithium-ion accumulator	0.715 0.730 0.730	72.0 Wh	1101-13-MM-13-PP001 28244502 001 28249149 001	09.09.2013 18.05.2018 10.04.2019	UN3480	Lithium ion batteries
GBA 36V 2.6 Ah	Detachable slide in lithium-ion accumulator	1.240 1.230	93.6 Wh	PA2R08-01-H01 E0BR0004	11.08.2009 06.09.2011	UN3480	Lithium ion batteries
GBA 36V 4.0 Ah	Detachable slide in lithium-ion accumulator	1.280 1.315 1.259	144.0 Wh	1012-13-MM-13-PP001 Certificate with Appendix 012017 01/2019	28.02.2013 07.02.2017 04.06.2019	UN3480	Lithium ion batteries
GBA 36V 4.5 Ah	Detachable slide in lithium-ion accumulator	1.892	162.0 Wh	MT0029498	16.09.2010	UN3480	Lithium ion batteries
GBA 36V 6.0 Ah	Detachable slide in lithium-ion accumulator	1.325 2.380	216.0 Wh	Appendix to Certificate 012016 UN_014_20	06.05.2016 17.09.2014	UN3480	Lithium ion batteries
GBA 36V 9.0 Ah	Detachable slide in lithium-ion accumulator	2.420	324.0 Wh	UN-Test report 032017-1607A3502U	03.08.2017	UN3480	Lithium ion batteries