

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 www.bosch-pt.com
2	Model	Bosch Battery Pack GBA / PBA 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 succesfully 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.)

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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	Applicable UN Numbers acc. to UN Model Regulations	Delivered at max. 30% State of Charge
GBA / PBA 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/ UN3481	Yes
GBA / PBA 36V 2.0 Ah	Detachable slide in lithium-ion accumulator	0.715 0.730 0.730 0.730 0.712	72.0 Wh	1101-13-MM-13-PP001 28244502 001 28249149 001 HU21WJGP 001 HU24D281 001	09.09.2013 18.05.2018 10.04.2019 10.08.2021 21.06.2024	UN3480/ UN3481	Yes
GBA / PBA 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/ UN3481	Yes
GBA / PBA 36V 4.0 Ah BAT838	Detachable slide in lithium-ion accumulator	1.280 1.315 1.259 1.315 1.230 1.230 1.262	144.0 Wh	1012-13-MM-13-PP001 01/2017 01/2019 28244503 001 HU21AZ3L 001 HU21AZ3L 002 HU24TLU0 001	28.02.2013 07.02.2017 04.06.2019 18.05.2018 10.08.2021 17.01.2023 14.08.2024	UN3480/ UN3481	Yes
GBA / PBA 36V 4.5 Ah	Detachable slide in lithium-ion accumulator	1.892	162.0 Wh	MT0029498	16.09.2010	UN3480/ UN3481	Yes
GBA / PBA 36V 6.0 Ah	Detachable slide in lithium-ion accumulator	1.325 2.380 1.320 1320 1320	216.0 Wh	01/2016 UN_014_20 28244449 001 02/2020 HU214PUW 001	06.05.2016 17.09.2014 18.05.2018 19.01.2021 06.08.2021	UN3480/ UN3481	Yes
GBA / PBA 36V 9.0 Ah	Detachable slide in lithium-ion accumulator	2.420	324.0 Wh	03/2017	03.08.2017	UN3480/ UN3481	Yes

All lithium batteries and cells shown in before-mentioned table were designed and manufactured in accordance with Section 2.9.4 of the UN Recommendations on the Transport of Dangerous Goods.