

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 PBA 18V
3	Voltage rating	18V
4	Ah rating	1.3 Ah / 1.5Ah / 2.0Ah / 2.5Ah 3.0Ah / 4.0Ah 5.0Ah / 6.0Ah
5	Wh rating	23.4Wh / 27.0 Wh / 36.0 Wh / 45.0 Wh 54.0 Wh 72.0 Wh / 90.0 Wh / 108.0Wh

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: 23.8.2019	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
PBA 18V 1.3 Ah	Detachable slide in lithium-ion accumulator	0,334 0,330	23.4	MT0019716 UN_T1-T5 and T7_Skil_Pioneer_18V_1Ah3_G1_SD13P_Axeon	05.02.2010 01.12.2010	UN3480	Lithium ion batteries
PBA 18V 1.5 Ah	Detachable slide in lithium-ion accumulator	0,343 0,330 0,350 0,350 0,342 0,360 0,360	27.0	MT0019770 18VWOLVES_G2_CW16_2010_UN_T1-T5 und T7 Wolves_18V_G2_Sanyo_W2_McP_UN_Rev5 MT0038731 7191200827 - EEC18 28224222002 28224222002	19.01.2010 07.05.2010 02.08.2012 03.03.2011 14.01.2019 29.03.2017 29.03.2017	UN3480	Lithium ion batteries
PBA 18V 2.0 Ah	Detachable slide in lithium-ion accumulator	0,360 0,350	36.0	UN_T1-T5 T7_Wolves 18V PP5 SampleB.pdf TR 28229046 004 Wolves 18V with bosc overcharge FINAL signed.pdf	26.07.2013 29.11.2016	UN3480	Lithium ion batteries
PBA 18V 2.5 Ah	Detachable slide in	0,360 0,362	45.0	28226659 001 28226658005 28239766001	27.03.2015 02.08.2016	UN3480	Lithium ion batteries



	lithium-ion accumulator						
PBA 18V 3.0 Ah	Detachable slide in lithium-ion accumulator	0,363	54.0	28239766001	10.07.2017	UN3480	Lithium ion batteries
PBA 18V 4.0 Ah	Detachable slide in lithium-ion accumulator	0,640	72.0	28237202001	29.03.2017	UN3480	Lithium ion batteries
PBA 18V 5.0 Ah	Detachable slide in lithium-ion accumulator	0,669	90.0	28248162002	26.03.2019	UN3480	Lithium ion batteries
PBA 18V 6.0 Ah	Detachable slide in lithium-ion accumulator	0,668	108.0	28238953001	06.06.2017	UN3480	Lithium ion batteries