

## 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 10.8V / 12V
3	Voltage rating	10.8V / 12V
4	Ah rating	1.5Ah / 2.0Ah / 2.5Ah
5	Wh rating	16,2Wh / 21,6Wh / 27,0Wh

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.)

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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 10.8V / 12V 1.5 Ah	Detachable drop in lithium-ion accumulator	0.165 0.184 0,165	<b>16,2 Wh</b>	28224972001 28224972006 28224972004	31.10.2014 02.08.2016 23.05.2016	UN3480	Lithium ion batteries
PBA 10.8V / 12V 2.0 Ah	Detachable drop in lithium-ion accumulator	0.178 0.182 0.173 0.170 0.180	<b>21,6 Wh</b>	2218341.60 28224973001 2218341.61 7191157906 - EEC17 7191180644 - EEC18	18.07.2017 31.10.2014 31.08.2017 27.03.2017 09.04.2018	UN3480	Lithium ion batteries
PBA 10.8V / 12V 2.5 Ah	Detachable drop in lithium-ion accumulator	0.189	<b>27,0 Wh</b>	28230330001	01.12.2015	UN3480	Lithium ion batteries