



**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.)

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 Dr. Stefan Ruebenacke  
 Director (PT-BI/PXS1)  
 Cordless Systems Batteries and Chargers

  
 Dr. Patrick Roeder  
 Engineering (PT-BI/PXS1)  
 Cordless Systems Batteries and Chargers



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.

Robert Bosch Power Tools GmbH PT/EST Max-Lang Str. 40-46 70771 Leinfelden-Echterdingen Germany +49 (0)711-400-40990 kontakt@bosch.de www.bosch-pt.com	Tüv Süd PSB Pte. Ltd No.1 Science Park Drive Singapore 118221 Singapore +65 6427 4700 info.sg@tuvsud.com www.tuev-sued.de/company/locations/asia
SAMSUNG SDI CO LTD 467 BEONYEONG-RO SEOBUK-GU CHEONAN-SI, CHUNGCHEONGNAM-DO 31086 KOREA +82-41-560-3114 sdimaster@samsung.com www.samsungsdi.com	Tüv Rheinland InterCert Kft. Vaci ut 48/A-B 1132 Budapest Hungary +36 1461 1100 tuv@hu.tuv.com www.tuv.hu

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
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/ UN3481	yes
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 0,365 0,342	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 28252538 001 7191232329-EEC20	19.01.2010 07.05.2010 02.08.2012 03.03.2011 14.01.2019 29.03.2017 29.03.2017 07.04.2020 15.04.2020	UN3480/ UN3481	yes
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/ UN3481	yes



PBA 18V 2.5 Ah	Detachable slide in lithium-ion accumulator	0,360 0,362 0,362	45.0	28226658001 28226658005 28226658006	27.03.2015 02.08.2016 10.12.2020	UN3480/ UN3481	yes
PBA 18V 3.0 Ah	Detachable slide in lithium-ion accumulator	0,363 0,360	54.0	28239766001 28252539001	10.07.2017 07.04.2020	UN3480/ UN3481	yes
PBA 18V 4.0 Ah	Detachable slide in lithium-ion accumulator	0,640 0,575	72.0	28237202001 28252403001	29.03.2017 19.03.2020	UN3480/ UN3481	yes
PBA 18V 5.0 Ah	Detachable slide in lithium-ion accumulator	0,669	90.0	28248162002	26.03.2019	UN3480/ UN3481	yes
PBA 18V 6.0 Ah	Detachable slide in lithium-ion accumulator	0,668	108.0	28238953001	06.06.2017	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.