

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 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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Revision Number: 19.0

i.V.

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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 Number s 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 0365 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	36.0	UN_T1-T5 T7_Wolves 18V PP5 SampleB.pdf TR 28229046 004 Wolves 18V with bosc overcharge FINAL signed.pdf HU21FOSK 001 HU21FOSK 002 HU21FOSK 003 HU21FOSK 004 HU245SJM 001 CPSFTY/00051/23 HU245SJM 002 CPSFTY/00034/24	26.07.2013	UN3480/ UN3481	yes
		0,350			29.11.2016		
		0,353			07.02.2022		
		0,353			07.02.2022		
		0,380			10.04.2022		
		0,353			09.03.2023		
		0,353			12.01.2024		
		0,365			20.02.2024		
		0,363			16.04.2024		
		0,364			06.06.2024		
PBA 18V 2.5 Ah	Detachable slide in lithium-ion accumulator	0,360	45.0	28226658001 28226658005 28226658006 HU215B2B 001 HU22A9U7 002 HU23X6CD 001 HU23X6CD 002 TR HU23X6CD 003 HU24IGTA 001	27.03.2015	UN3480/ UN3481	yes
		0,362			02.08.2016		
		0,362			10.12.2020		
		0,362			07.12.2021		
		0,362			17.01.2023		
		0,400			22.11.2023		
		0,362			30.01.2024		
		0,365			04.03.2024		
		0,366			06.08.2024		
PBA 18V 3.0 Ah	Detachable slide in lithium-ion accumulator	0,363	54.0	28239766001 28252539001 HU21TU56 001 HU21TU56 002 HU21TU56 002 HU22VSCV 002 HU24CDVX 001	10.07.2017	UN3480/ UN3481	yes
		0,360			07.04.2020		
		0,362			10.08.2021		
		0,362			07.02.2022		
		0,362			07.07.2022		
		0,575			09.11.2022		
		0,384			09.10.2024		
PBA 18V 4.0 Ah	Detachable slide in lithium-ion accumulator	0,640	72.0	28237202001 28252403001 HU21ZXY3 001 HU21KAZX 001 HU21KAZX 002 HU22SXUN 001 HU22SXUN 002 HU21KAZX 003 HU23RVJR 001 HU24ETYL 001 HU249GAB 001	29.03.2017	UN3480/ UN3481	yes
		0,575			19.03.2020		
		0,630			24.08.2021		
		0,575			24.11.2021		
		0,575			09.12.2021		
		0,670			10.06.2022		
		0,575			19.09.2022		
		0,575			17.04.2023		
		0,500			07.12.2023		
		0,648			16.04.2024		
PBA 18V 5.0 Ah	Detachable slide in lithium-ion accumulator	0,650	90.0	28248162002 HU22PXJ7 001 HU225L1H 001 HU225L1H 002 HU24GBC5 001 HU24WECV 001	26.03.2019	UN3480/ UN3481	yes
		0,668			25.01.2022		
		0,650			10.06.2022		
		0,668			26.09.2022		
		0,654			19.04.2024		
		0,658			16.07.2024		
PBA 18V 6.0 Ah	Detachable slide in lithium-ion accumulator	0,668	108.0	28238953001 HU21WWIU 001 HU2213WX 001 HU24NTIK 001	06.06.2017	UN3480/ UN3481	yes
		0,664			10.08.2021		
		0,680			10.06.2022		
		0,684			16.07.2024		

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.