

## 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	PKP 3.6V LI
3	Voltage rating	3.6V
4	Ah rating	1.5Ah
5	Wh rating	5.4Wh

These models 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 (applicable to cell)
38.3.4.2 T2	Thermal Test	Passed (applicable to cell)
38.3.4.3 T3	Vibration	Passed (applicable to cell)
38.3.4.4 T4	Shock	Passed (applicable to cell)
38.3.4.5 T5	External Short Circuit	Passed (applicable to cell)
38.3.4.5 T6	Impact	Passed (applicable to cell)
38.3.4.7 T7	Overcharge	Passed
38.3.4.7 T8	Forced Discharge	Passed (applicable to cell)

Revision Date: 2021-05-03	Revision Number: 1.2
Signature:	Signature:

i.V. Steffen Katzenberger  
 Senior Vice President Engineering (PT-HG/TE)  
 Bosch Home and Garden

i.V. Dr. Ralph Dammertz  
 Senior Vice President Engineering (PT/NE)  
 Bosch Power Tools

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.

SLG Prüf- und Zertifizierungs GmbH Burgstädter Straße 20 D-09232 Hartmannsdorf, Germany <a href="https://www.slg.de.com">https://www.slg.de.com</a> Tel.: +49 3722 7323-0 Email: <a href="mailto:service@slg.de.com">service@slg.de.com</a>	SAMSUNG SDI CO LTD 467 BEONYEONG-RO SEOBUK-GU CHEONAN-SI, CHUNGHEONGNAM-DO 31086 KOREA +82-41-560-3114 <a href="mailto:sdimaster@samsung.com">sdimaster@samsung.com</a> <a href="http://www.samsungsdi.com">www.samsungsdi.com</a>
Shanghai Research Institute of Chemical Industry Testing Co., Ltd. East Yunling Road No. 345 200062 SHANGHAI CHINA +86 21 5281 3463 Mail via contact button on website <a href="http://www.srici.com/">http://www.srici.com/</a>	UL-CCIC Company Limited Guangzhou Branch No.8, Nanyun2nd Road, Science City, Guangzhou Hi-Tech Development Zone, Guangzhou, Guangdong, China +86-20-3213 1000 Email: <a href="mailto:customerservice.cn@cn.ul.com">customerservice.cn@cn.ul.com</a> Web: <a href="http://www.ul.com">www.ul.com</a>

LITHIUM CELLS OR BATTERIES TEST SUMMARY

IN ACCORDANCE WITH SUB-SECTION 38.3

OF UN MANUAL OF TESTS AND CRITERIA

Product Test Information

Model name	Description	Battery weight	Wh rating	Test report number	Test report date	Applicable UN Numbers acc. to UN Model Regulations	Delivered at max. 30% State of Charge
PKP 3.6V LI	Tool with 1 integrated single cell	0.04kg	5.4Wh	1116-13-MM-13-PP005	22.10.2013	UN3480, UN3481	yes
				MT0019194	24.10.2013		
				UN certificate and test report for UR18650W2	12.01.2012		
				4788486504-3	13.07.2018		
				1118110180	25.12.2018		

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.