

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

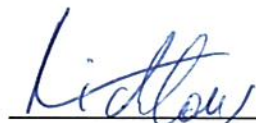
This model of Lithium ion batteries have been successfully tested and comply with the UN Model Regulations, Manual of Test and Criteria, Part III, subsection 38.3

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.)

Revision Date: 15.12.2022

Revision Number: 4.0



Dr. Mischa Nicklaus
 Director (PT-BI/ENC)
 Cordless Systems Batteries and Chargers



Dr. Patrick Roeder
 Engineering (PT-BI/ENC)
 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.

<p>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</p>	<p>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</p>
<p>SGS Germany GmbH Hofmannstr. 50 81379 München Germany +49 (0) 89 1250 406 4513 sgs.germany@sgs.com www.sgsgroup.de</p>	<p>SLG Prüf und Zertifizierungs GmbH Burgstädter Str. 20 09232 Hartmannsdorf Germany +49 (0) 3722 73230 service@slg.de.com www.slg.de.com</p>
<p>Dekra Certification B.V. Meander 1051 6825 MJ Arnhem The Netherlands +31 88 968 3000 product.certification@dekra.com www.dekra-product-safety.com</p>	<p>Dynamis Batterien GmbH Brühlstr. 15 78465 Dettingen / Konstanz Germany +049 (0) 7533 936690 info@dynamis-batterien.de www.dynamis-batterien.de</p>
<p>Tüv Rheinland InterCert Kft. Vaci ut 48/A-B 1132 Budapest Hungary +36 1461 1100 tuv@hu.tuv.com www.tuv.hu</p>	

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	16,2 Wh	28224972001	31.10.2014	UN3480	Lithium ion batteries
		0.184		28224972006	02.08.2016		
		0.165		28224972004	23.05.2016		
		0.173		HU22LDG4 001	09.12.2022		
PBA 10.8V / 12V 2.0 Ah	Detachable drop in lithium-ion accumulator	0.178	21,6 Wh	2218341.60	18.07.2017	UN3480	Lithium ion batteries
		0.182		28224973001	31.10.2014		
		0.173		2218341.61	31.08.2017		
		0.170		7191157906 - EEC17	27.03.2017		
		0.180		7191180644 - EEC18	09.04.2018		
		0.180		TR HU22YJYP 001	12.05.2022		
PBA 10.8V / 12V 2.5 Ah	Detachable drop in lithium-ion accumulator	0.189	27,0 Wh	28230330001	01.12.2015	UN3480	Lithium ion batteries