

GPB and GPP Batteries for general cyclic use

UN 38.3 Test Summary Report

Lithium-Ion-Battery or Product with build in Lithium-Ion-Battery

Test Summary in Accordance with Section 2.9.4 UN Model Regulations and Sub-section 38.3 of the UN Manual of Tests and Criteria, Part III, subsection 38.3.5



Manufacturer: STARK Power GmbH, Gewerbepark Birkenhain 21, 63579 Freigericht, Germany

Product: Lithium-Ion-Battery

Model No.	Energy	Mass	Physical	Test Laboratory	Unique Report	Report Date
GOB-0120234	337 Wh	2.5 kg	Plastic	Shenzhen LithPower Techn CO.LTD. Meilong Road, Longhua District Shenzhen, China	LITH12-23E	2014/10/01
GPP-0120220	282 Wh	3.0 kg	Plastic	Shandong Goldencell Technology Co. Ltd. Hi-Tech District, Fuyuan 5 Road, ZaoZhuang City. ShandDong, China	HT-12V22Ah- 4S7P-26650	2012/07/03
GOB-0240078 / GOB-0240078-WC	197 Wh	1.1 kg	Soft pack	Shenzhen Tianlihe Technology Co. Debaoli Ind. Park, Bantian Town, Longgang District, Shenzhen, China	TLH-7S3P- 2478	2015/11/18
GOB-0240104 / GOB-0240104-WC	269 Wh	1.3 kg	Soft Pack	Shenzhen Tianlihe Technology Co. Debaoli Ind. Park, Bantian Town, Longgang District, Shenzhen, China	TLH-7S4P- 24104	2016/11/29

GPP-0240130	328 Wh	2.4 kg	Soft pack	Shenzhen Tianlihe Technology Co. Debaoli Ind. Park, Bantian Town, Longgang District, Shenzhen, China	TLH-7S5P-2413	2019/08/21
GPP-0240180	454 Wh	4.5 kg	Soft pack	Shenzhen Tianlihe Technology Co. Debaoli Ind. Park, Bantian Town, Longgang District, Shenzhen, China	TLH-7S8P-24176	2015/08/04
GPB-0240400 /GPP-0240400	1036 Wh	8.5 kg	Soft pack	Shenzhen Tianlihe Technology Co. Debaoli Ind. Park, Bantian Town, Longgang District, Shenzhen, China	TLH-7S14P-24406	2017/02/08
GPB-0240500	1280 Wh	12.5 kg	Plastic	Shenzhen Topband Battery Co., Ltd Tangtou Town, Bao'an District Shenzhen, China	TB-BL2450F-M110A	2018/07/06

Subclause	Test concluded	Test Result
38.3.4.1 T.1	Altitude simulation	Pass
38.3.4.2 T.2	Thermal test	Pass
38.3.4.3 T.3	Vibration	Pass
38.3.4.4 T.4	Shock	Pass
38.3.4.5 T.5	External short circuit	Pass
38.3.4.6 T.6	Impact/Crush (cell only test)	N. A.
38.3.4.7 T.7	Overcharge (N.A for Li-metal only)	Pass
38.3.4.8 T.8	Forced discharge (cell only test)	N. A.

Date: September 11, 2020	Signature:
	
QC-Manager: Bonaventure Nzapa	
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Test Reference: UN Manual of Tests and Criteria, Part III, sub-section 38.3. third revised edition,