

BSH Hausgeräte GmbH, Industriestraße 1, 97616 Bad Neustadt, Germany

LITHIUM BATTERIES TEST SUMMARY**IN ACCORDANCE WITH SUB-SECTION 38.3 OF UN MANUAL OF TESTS AND CRITERIA**

1	Product Manufacturer	BSH Hausgeräte GmbH Industriestraße 1 97616 Bad Neustadt Germany +49-9771-6350-0 LI-Battery-Test-Reports@bshg.com www.bosch-home.com
2	Model	1in1 Athlet
3	Voltage rating	18.0 V 25.2 V 32.4 V
4	Ah rating	(18.0V) 1.80 / 1.95 / 2.00 / 2.52 (25.2V) 1.80 / 1.85 / 1.95 / 2.0 / 2.05 / 2.52 / 2.60 / 2.85 (32.4V) 1.35 / 1.90 / 1.95 / 2.05 / 2.60 / 2.70
5	Wh rating	(18.0V) 32.85 / 35.10 / 36.00 / 45.36 (25.2V) 45.99 / 46.62 / 49.14 / 50.40 / 63.50 / 65.52 / 72.219 (32.4V) 43.74 / 61.56 / 63.18 / 66.42 / 84.24 / 87.48

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: 19.12.2022

Revision Number: 3.1

Silvio Hamm
Head of PCP-HCT, PCP-HCT

The UN 38.3 tests were performed by one of the following test houses and were tested according to UN Manual Tests and Criteria Revision 3 Amendment 1 or subsequent revisions or amendments.

(1) China Electronics Standardization Institute (CESI)Laboratory No.8 TongJiNanLu,Yizhuang Economic & Technological Development Area, Beijing, China Tel: (010) 64102186 Email: chenjy@nels.org.cn Web: www.cesi.cn	(2) Samsung SDI Co., Ltd 467, Beonyeong-ro, Seobuk-gu, Cheonan-si, Chungcheongnam-de, Korea Tel: +82-41-560-3114 Email: sdimaster@samsung.com Web: https://www.samsungsdi.com
(3) Shanghai Research Institute of Chemical Industry Testing Centre West entrance, No.345 East Yun Ling Road, Shanghai Tel: 021-52569800 Email: msds123@gmail.com Web: http://www.ghs.cn	(4) SAMSUNG SDI CO LTD Safety Center, 508 Sungsungdong, Cheonan Chungcheongnamdo, Korea
(5) UL-CCIC Company Limited Guangzhou Branch No.8, Nanyun 2nd Road, Science City, Guangzhou Hi-Tech Development Zone, Guangzhou, Guangdong, China Tel: +86-20-3213 1000 Email: customerservice.cn@cn.ul.com Web: www.ul.com	

LITHIUM CELLS OR BATTERIES TEST SUMMARY IN ACCORDANCE WITH SUB-SECTION 38.3 OF UN MANUAL OF TESTS AND CRITERIA

Product Test Information

Model Number	Physical Description	Battery weight (kg)	Wh rating	Test house	Test report number	Test report date	UN Number acc. to UN-DGP	Proper Shipping Name acc. to UN-DGP
1in1 5c_22P	Rechargeable lithium-ion battery (5s-1p)	0.385	32.85	(1)	S19-B0118-1	27.03.2019	UN3480	Lithium ion batteries
BSH 5c	Rechargeable lithium-ion battery (5s-1p)	0.517	35.10	(4)	MT0083133	18.03.2013	UN3480	Lithium ion batteries
BSH 5c	Rechargeable lithium-ion battery (5s-1p)	0.517	36.00	(4)	MT0083133	18.03.2013	UN3480	Lithium ion batteries
1in1 5C_29V	Rechargeable lithium-ion battery (5s-1p)	0.400	45.36	(1)	S21-B0451-1	16.06.2021	UN3480	Lithium ion batteries
1in1 7C_22P	Rechargeable lithium-ion battery (7s-1p)	0.475	45.99	(5)	4788509759-1	31.07.2018	UN3480	Lithium ion batteries
BSH 7C	Rechargeable lithium-ion battery (7s-1p)	0.508	46.62	(2)	SDI-UN-P190827-02	27.08.2019	UN3480	Lithium ion batteries
BSH 7C	Rechargeable lithium-ion battery (7s-1p)	0.610	49.14	(4)	MT0083129	18.03.2013	UN3480	Lithium ion batteries
BSH 7C	Rechargeable lithium-ion battery (7s-1p)	0.610	50.40	(4)	MT0083129	18.03.2013	UN3480	Lithium ion batteries
1in1 7C_29V	Rechargeable lithium-ion battery (7s-1p)	0.520	63.50	(5)	4789627845-1	18.06.2020	UN3480	Lithium ion batteries
7C_30Q	Rechargeable lithium-ion battery (7s-1p)	0.490	65.52	(4)	SDI-UN-P160623-01	08.06.2016	UN3480	Lithium ion batteries
Runtime Plus 7C_30Q	Rechargeable lithium-ion battery (7s-1p)	0.487	65.52	(4)	SDI-UN-P150608-01	05.06.2015	UN3480	Lithium ion batteries
Li-ion battery 880015 07522	Rechargeable lithium-ion battery (7s-1p)	0.480	72.219	(3)	1115040166	19.06.2015	UN3480	Lithium ion batteries
Facelift 7C_30Q	Rechargeable lithium-ion battery (7s-1p)	0.490	65.52	(4)	SDI-UN-P160726-01	29.06.2016	UN3480	Lithium ion batteries

Facelift 9C_22P	Rechargeable lithium-ion battery (9s-1p)	0.563	43.74	(4)	SDI-UN- P160520-01	03.05.2016	UN3480	Lithium ion batteries
Facelift 9C_30Q	Rechargeable lithium-ion battery (9s-1p)	0.627	61.56	(2)	SDI-UN- P190822-02	02.08.2019	UN3480	Lithium ion batteries
Facelift 9C_22P	Rechargeable lithium-ion battery (9s-1p)	0.563	63.18	(4)	CU16-00318	04.05.2016	UN3480	Lithium ion batteries
Facelift 9C_30Q	Rechargeable lithium-ion battery (9s-1p)	0.563	66.42	(4)	SDI-UN- P161130-01	24.09.2016	UN3480	Lithium ion batteries
Facelift 9C_30Q	Rechargeable lithium-ion battery (9s-1p)	0.574	84.24	(4)	SDI-UN- P170117-01	10.01.2017	UN3480	Lithium ion batteries
1in1 9C_VTC 6	Rechargeable lithium-ion battery (9s-1p)	0.596	87.48	(1)	S19-B0554-1	17.06.2019	UN3480	Lithium ion batteries