

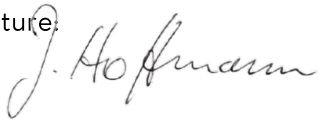
LITHIUM BATTERIES TEST SUMMARY**IN ACCORDANCE WITH SUB-SECTION 38.3 OF UN MANUAL OF TESTS AND CRITERIA**

1	Product Manufacturer	Andreas Stihl AG & Co. KG Badstraße 115 71336 Waiblingen Germany +49-(0)7151-26-0 info@stihl.de www.stihl.com
2	Model	STIHL battery packs and integrated batteries
3	Voltage rating	See rating plate
4	Ah rating	See rating plate
5	Wh rating	See rating plate

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
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 (if applicable)	Passed

(Note that tests T6 and T8 are not applicable to batteries.)

Revision Date:	2021-12-10
Revision Number:	1.4
Name:	Signature: 

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.

Murata Energy Device Wuxi Co. Ltd No.27 Changjiang Road New District, Wuxi Jiangsu Province, 214028 P.R.C. China +86-510-8523-9120 info@murata.com www.murata.com	VDE Prüf- und Zertifizierungsinstitut GmbH VDE Testing and Certification Institute Merianstrasse 28 63069 Offenbach Germany +49 (0)321-456-7890 Vde-institut@vde.com www.vde.com
Battery University Am Sportplatz 30 63791 Karlstein Germany +49 (0)618899410-0 mail@batteryuniversity.eu www.batteryuniversity.eu	Shanghai Research institute of Chemical Industry Testing Center West entrance, No.345 East Yunling Road, Shanghai +21-52569800 info@srici.com www.srici.com
TÜV SÜD PSB Pte. Ltd. 15 International Business Park Singapore 609937 +65 6778 7777 info.sg@tuvsud.com www.tuvsud.com/sg	

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	UN-Manual Test and Criteria Revision	Test report date	Applicable UN Numbers acc. to UN Model Regulations
AS2 (10,2 V 2.6 Ah)	Detachable lithium ion battery	0.22	28	MDW-B18100 MDW-PT1903	6 th Revision 6 th Revision	2018-09-19 2019-06-04	UN3480/ UN3481
AAI 40 (18 V, 2.25 Ah)	Integrated lithium ion battery	0.5	42	BU-2014-02383-0-UN	5 th Revision	2015-03-09	UN3480/ UN3481
AAI 50 (18.5 V, 1.9 Ah)	Integrated lithium ion battery	0.6	42	BU-201900502-B1	6 th Revision	2019-11-07	UN3480/ UN3481
AAI 50.1 (18 V, 2.4 Ah)	Integrated lithium ion battery	0.8	52	271953-TL7-1	7 th Revision	2020-07-30	UN3480/ UN3481
AAI 50.2 (18 V, 2.4 Ah)	Integrated lithium ion battery	0.8	50	288694-TL7-1	7 th Revision	2021-10-28	UN3480/ UN3481
AAI 80 (18 V, 4,5 Ah)	Integrated lithium ion battery	0.75	83	BU-2014-02383-1-UN	5 th Revision	2015-03-17	UN3480/ UN3481
AAI 100 (18.5 V, 3.8 Ah)	Integrated lithium ion battery	0.8	83	BU-201900503-B1	6 th Revision	2019-11-07	UN3480/ UN3481
AAI 100.1 (18 V, 4.9 Ah)	Integrated lithium ion battery	0.8	104	271953-TL7-2	7 th Revision	2020-07-30	UN3480/ UN3481
AAI 100.2 (18 V, 4.9 Ah)	Integrated lithium ion battery	0.8	101	288694-TL7-2	7 th Revision	2021-10-28	UN3480/ UN3481

AAI 110 (36 V, 2.3 Ah)	Integrated lithium ion battery	0.9	104	284850-TL7-2	7 th Revision	2021-06-28	UN3480/ UN3481
AAI 130 (28,8 V, 4.5 Ah)	Integrated lithium ion battery	1	130	BU-2012-000290-UN	5 th Revision	2012_06_29	UN3480/ UN3481
AAI 131 (29 V, 4.5 Ah)	Integrated lithium ion battery	1	130	BU-2016-04485-O-B1	5 th Revision	2016_07_15	UN3480/ UN3481
AAI 160 (29.6 V, 3.8 Ah)	Integrated lithium ion battery	1.3	133	BU-201900504-B1	6 th Revision	2019-11_07	UN3480/ UN3481
AAI 160.1 (28.8 V, 4.9 Ah)	Integrated lithium ion battery	1.3	167	271953-TL7-3	7 th Revision	2020-07-30	UN3480/ UN3481
AAI 160.2 (28.8 V, 4.9 Ah)	Integrated lithium ion battery	1.3	161	288694-TL7-3	7 th Revision	2021-10-28	UN3480/ UN3481
AAI 200 (28.8 V, 6.75 Ah)	Integrated lithium ion battery	1.4	194	BU-2012-000365-UN	5 th Revision	2012-11-12	UN3480/ UN3481
AAI 201 (29 V, 6.8 Ah)	Integrated lithium ion battery	1.4	194	BU-2016-04485-O-B1	5 th Revision	2016-07-15	UN3480/ UN3481
AAI 210 (36 V, 4.9 Ah)	Integrated lithium ion battery	1.4	209	284850-TL7-4	7 th Revision	2021-06-28	UN3480/ UN3481
AAI 250 (29.6 V, 5,7 Ah)	Integrated lithium ion battery	1.6	200	BU-201900505-B1	6 th Revision	2019-11-07	UN3480/ UN3481
AAI 250.1 (28.8 V, 7.3 Ah)	Integrated lithium ion battery	1.6	251	271953-TL7-4	7 th Revision	2020-07-30	UN3480/ UN3481
AAI 250.2 (28.8 V, 7.3 Ah)	Integrated lithium ion battery	1.6	242	288694-TL7-4	7 th Revision	2021-10-28	UN3480/ UN3481
AAI 310 (36 V, 7.3 Ah)	Integrated lithium ion battery	1.8	313	24850-TL7-6	7 th Revision	2021-06-28	UN3480/ UN3481
AK 10 (36 V, 1.4 -2.0 Ah)	Detachable lithium ion battery	0.8	54-72	281300-3380- 0010/213448-rev.01 281310-3380-	5 th Revision 5 th Revision	2015-10-28 2015-06-01	UN3480/ UN3481

				0010/209684 246105-TL7-1 237965-EC2-11 7191257336-EEC21/01 7191257336-EEC21/03	6 th Revision 6 th Revision 6 th Revision 6 th Revision	2018-04-20 2017-08-15 2021-05-07 2021-06-07	
AK 20 (36 V, 2.8 -4.0 Ah)	Detachable lithium ion battery	1.2	108- 144	281300-3380- 0010/213448-1 281300-3380- 0011/209685 246123-TL7-1 237695-EC2-12 7191257336-EEC21/02 7191257336-EEC21/04	5 th Revision 5 th Revision 6 th Revision 6 th Revision 6 th Revision 6 th Revision	2015-10-28 2015-06-01 2018-05-14 2017-08-15 2021-05-07 2021-06-07	UN3480/ UN3481
AK 30 (36 V, 4.8 -5.0 Ah)	Detachable lithium ion battery	1.3	180	246125-TL7-1 225083-EC2-1 281807-TL7-2 7191257336-EEC21/05	6 th Revision 5 th Revision 7 th Revision 6 th Revision	2018-03-07 2016-09-21 2021-06-21 2021-09-14	UN3480/ UN3481
AP 80 (36 V, 2.6 Ah)	Detachable lithium ion battery	1.2	84	BU-00028.2010.1.1 8993-1	5 th Revision 4 th Revision	2010-07-21 2008-07-04	UN3480/ UN3481
AP 100 (36 V, 2.0-2.4 Ah)	Detachable lithium ion battery	0.8- 0.9	76-94	281300-3380- 0008/196892-1 A2 246609-TL7-1	5 th Revision 6 th Revision	2015-05-19 2018-03-05	UN3480/ UN3481
AP 115 (36 V, 3.2 Ah)	Detachable lithium ion battery	1.2	118	281300-3380- 0006/187822	5 th Revision	2013-11-22	UN3480/ UN3481
AP 120 (36 V, 3.3 Ah)	Detachable lithium ion battery	1.6	118	2203/00-0	4 th Revision	2009-04-09	UN3480/ UN3481
AP 160 (36 V, 4.0 -4.5 Ah)	Detachable lithium ion battery	1.7	162- 172	BU-00010-1.1-UN3480 BU-00010.2010-1.1- UN3480 2199/00-0 BU0051.2009-1.1- UN3480	5 th Revision 5 th Revision 4 th Revision 4 th Revision	2010_12_03 2010_12_03 2009-04-09 2009-12-28	UN3480/ UN3481
AP 180 (36 V, 4.2 Ah)	Detachable lithium ion battery	1.7	178	281300-3380- 0004/167174	5 th Revision	2012-08-15	UN3480/ UN3481
AP 200 (4.0-4.8 Ah)	Detachable lithium ion battery	1.3	151- 187	281300-3380- 0008/196891-2 A2 246612-TL7-1	5 th Revision 6 th Revision	2015-05-19 2018-03-05	UN3480/ UN3481

AP 300 (36 V, 6.0 Ah)	Detachable lithium ion battery	1.7- 1.8	227	281300-3380- 0008/196898-3 A2 245137-TL7-1	5 th Revision 6 th Revision	2015-05-19 2018-04-16	UN3480/ UN3481
AP 300 S (36V, 7.2 Ah)	Detachable lithium ion battery	1.8	281	245289-TL7-1 272580-TL7-2	6 th Revision 7 th Revision	2018-06-04 2020-07-30	UN3480/ UN3481
AP 500 S (36 V, 8.8Ah)	Detachable lithium ion battery	2.0	337	272581-TL7-2	7 th Revision	2020-08-28	UN3480/ UN3481
AR 900 (36 V, 23.7- 24.75 Ah)	Separable lithium ion battery	6.6	891- 916	281300-3380- 0003/167168 281300-3380- 0003/189326	5 th Revision 5 th Revision	2012-08-15 2014-03-24	UN3480/ UN3481
AR 1000 (36 V, 16.6 Ah)	Separable lithium ion battery	4.4	626	226763-EC2-1	6 th Revision	2016-12-15	UN3480/ UN3481
AR 2000 (36 V, 21.8 Ah)	Separable lithium ion battery	6.7	916	281300-3380- 0009/208144	5 th Revision	2015-09-22	UN3480/ UN3481
AR 2000 L (36 V, 27.4 Ah)	Separable lithium ion battery	7.5	1015	254558-TL7-3 284848-TL7-4	6 th Revision 7 th Revision	2019-02-20 2021-08-30	UN3480/ UN3481
AR 3000 (36 V, 29.3 Ah)	Separable lithium ion battery	6.8	1148	213449-EC2-2	5 th Revision	2016-05-02	UN3480/ UN3481
AR 3000 L (36 V, 41.2 Ah)	Separable lithium ion battery	9.5	1522	254558-TL7-1 284848-TL7-2	6 th Revision 7 th Revision	2019-02-20 2021-07-29	UN3480/ UN3481
HSA 45 (18 V, 2.0 Ah)	Integrated lithium ion battery	0.4	36	1116090083	5 th Revision	2016-10-24	UN3480/ UN3481
BGA 45 (18 V, 2.5 Ah)	Integrated lithium ion battery	0.4	45	1116090214 1117110286	5 th Revision 6 th Revision	2016-11-02 2017-12-27	UN3480/ UN3481
FSA 45 (18 V, 2.0 Ah)	Integrated lithium ion battery	0.4	36	1116090084	5 th Revision	2016-10-20	UN3480/ UN3481
5120.4 (HSA 25, 10.8 V, 2.0 Ah)	Detachable lithium ion battery	0.2	21.6	1117030068	5 th Revision	2017-05-10	UN3480/ UN3481

Additional Information:

All STIHL batteries are manufactured according to a quality management program as required in:

- IATA-DGR 3.9.2.6.1 e)
- IMDG-Code 2.9.4.5
- ADR/RID/ADN 2.2.9.1.7 e)
- ISO 9001