

LITHIUM BATTERIES TEST SUMMARY

IN ACCORDANCE WITH SUB-SECTION 38.3 OF UN MANUAL OF TESTS AND CRITERIA



1	Product Manufacturer	Festool GmbH Wertstraße 20 D-73240 Wendlingen Germany +49 (0)7024 804-0 info@festool.com www.festool.com
2	Model	KAL I / KAL II
3	Voltage rating	7.2 V
4	Ah rating	2.2 Ah / 2.9Ah
5	Wh rating	15.84 Wh / 20.88 Wh

All manufactured and factory released Lithium-Ion-Batteries fulfill the UN transport regulation and each cell or battery has a state of charge (SOC) not exceeding 30 % of its rated capacity

These models of Lithium-Ion-Batteries have been successfully tested and are in compliance 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: 2020-02-18	Revision Number: A
Wilde, Jörg Head of Technology and Component Development	Signature: 
Brandt, Ralf Head of Productconformity	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.

<p>Batteryuniversity GmbH</p> <p>Am Sportplatz 30 63791 Karlstein Deutschland +49 (0)6188-99410-0 mail@bu-lab.eu www.bu-lab.eu</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	Applicable UN Numbers acc. to UN Model Regulations
KAL I	Lithium-ion cobalt oxide battery	0,090	15,84	BU-2011-000118-UN BU-2011-000125-UN	25.05.2011 29.07.2011	UN3480/ UN3481
KAL II	Lithium ion nickel manganese cobalt oxide battery	0,097	20,88	BU-2014-000713-UN	02.07.2014	UN3480/ UN3481