

Lithium ion battery test summary

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

Battery Manufacturer	
Techtronic Industries (Dongguan) Co., Ltd. No. 2 Hujing Road, Houjie Town, Dongguan City, Guangdong Province, China	E-Mail: untestreport@ttigroup.com Phone: 86-0769-82723180 Webpage: www.ttigroup.com

Product Manufacturer	
Alfred Kärcher SE & Co. KG Alfred-Kärcher-Straße 28 - 40 71364 Winnenden Germany	E-Mail: info@kaercher.com Phone: +49 7195 14-0 Webpage: https://www.kaercher.com

"**Battery Power 36/50 DW**" lithium ion battery has been successfully tested and comply with UN Model Regulation, Manual of Test and Criteria, Part III subsection 38.3

Performed Tests			Results
38.3.4.1	T1	Altitude Simulation	Pass
38.3.4.2	T2	Thermal Test	Pass
38.3.4.3	T3	Vibration	Pass
38.3.4.4	T4	Shock	Pass
38.3.4.5	T5	External Short Circuit	Pass
38.3.4.6	T6	Impact / Crush	Pass
38.3.4.7	T7	Overcharge	Pass
38.3.4.8	T8	Forced Discharge	Pass

The UN38.3 tests were performed by the following test house and were tested to UN Manual Test and Criteria Revision 6 Amendment 1 or subsequent revisions or amendments.

Laboratory Information	
Vkan Certification & Testing Cp., Ltd. No. 3, Tiantaiyi Road, Kaitai Avenue, Science City, Guangzhou P. R. China	E-Mail: office@cvc.org.cn Phone: 86-020-32293888 Webpage: www.cvc.org.cn

Description of cell or battery						
Model number	Type	Physical Description	Battery weight (kg)	Wh rating	Test report number	Test report date
6.445-039.0 4.445-055.0 2.445-031.0 2.445-061.0 36V	Lithium ion battery	Battery Power 36/50 DW	1.49	180	RZUN2019-2364	2019.07.22

Assembled battery testing requirements	
Reference to assembled battery testing requirements (i.e. 38.3.3 (f) and 38.3.3 (g))	Not Applicable

Signature of responsible persons of the Company

16.12.2019
Date



Steffen Reiser,
Director Regulatory Affairs & Certification



Dr. Jan Becker,
Manager Energy Storage Systems