

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	
CEM s.p.a. Via Ca' Rossa 1 46026 Quistello (MN) Italy	E-Mail: info@cem.kaercher.com Phone: +39 0376 62701 Webpage: https://www.kaercher.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

"WV 1 (1.633-XXX.0)" appliance with 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	Not Applicable
38.3.4.7	T7	Overcharge	Pass
38.3.4.8	T8	Forced Discharge	Not Applicable

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	
TÜV SÜD Battery Testing GmbH Prüflabor Garching Daimlerstr. 15 85748 Garching Germany	E-Mail: info.battery@tuev-sued.de Phone: +49 89 32950-710 Webpage: www.tuev-sued.de


Description of cell or battery						
Model number	Type	Physical Description	Battery weight (kg)	Wh rating	Test report number	Test report date
WV 1 1.633-XXX.0	Lithium ion battery	WV 1 with cell SONY US18650V3B, 6.195-081.0	0,346	7,84	BE99307004382-02	18.08.2016

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