

UN 38.3 TEST REPORT SUMMARY

We herewith confirm that each battery of this type is proved to meet the requirements of applicable tests in the UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.8, Part III, Sub-Section 38.3.

In the following, lithium battery test summary according to Sub-Section 38.3.5

(a), (b) Manufacturer:	C. & E. Fein GmbH Hans-Fein-Str. 81 73529 Schwäbisch Gmünd-Bargau Germany	Phone: +49 (0)7173 – 183-0 Fax: +49 (0)7173 – 183-800 E-Mail: info@fein.de Webpage: www.fein.com		
Customer:	C. & E. Fein GmbH Hans-Fein-Str. 81 73529 Schwäbisch Gmünd-Bargau Germany	Phone: +49 (0)7173 – 183-0 Fax: +49 (0)7173 – 183-800 E-Mail: info@fein.de Webpage: www.fein.com		
(c) Test laboratory:	Batteryuniversity GmbH Am Sportplatz 30 63791 Karlstein am Main Germany	Phone: +49 (0)6188 – 99410-0 E-Mail: mail@bu-lab.eu Webpage: www.bu-lab.eu		
(d) Report reference no., (e) Date of test report: and (f) Description of devices under test:	BU-201900392-B1 July 04, 2019	BU-201800409-B1 December 21, 2018	BU-201900391-B2 July 04, 2019	BU-201800078-B1 August 21, 2018
(i) Type:	Lithium-ion batteries	Lithium-ion batteries	Lithium-ion batteries	Lithium-ion batteries
(ii) Mass:	445 g	445 g	260 g	260
(iii) Watt-hour rating:	64.80 Wh	64.80 Wh	32.40 Wh	32.40 Wh
(iv) Physical description:	3S2P INR18650 HG2	3S2P INR18650 30Q	3S1P INR18650 HG2	3S1P INR18650 30Q
(v) Model numbers:	B12A.184.03	B12A.184.02	B12A.183.03	B12A.183.02
(g) Performed tests:	T.1 Altitude simulation: T.2 Thermal test: T.3 Vibration: T.4 Shock: T.5 External short circuit: T.6 Impact/Crush: T.7 Overcharge: T.8 Forced discharge:	Passed Passed Passed Passed Passed Not performed Passed Not performed		
(h) Reference to assembled battery testing requirements:	Not applicable			
(i) Applied standard:	UN ST/SG/AC.10/11/Rev.8 Manual of Tests and Criteria, Part III, section 38.3, Lithium metal, lithium ion and sodium ion batteries			

(j) Signature: August 5, 2025 
Alexander Roth, Laboratory Manager