

UN38.3 Test Summary Report

Lithium cell or battery test summary in accordance with section 2.9.4 UN Model Regulations and sub-section 38.3 of Manual of Tests and Criteria, Part III, subsection 38.3.5

- [a] ☐ Cell ☒ Battery ☐ Produkt
☒ **Tested Type Part #:**
 PA-L2438.R001
☐ **Same Type Part #:** as listed below

- [d] Unique report ID:
 UN.PB.PA-L2438.R001, UN38.3, Rev.7.1
 [e] Date of test report:
 2024-04-18

[b] **Manufacturer**
 Fey Elektronik GmbH
 Storchenweg 3
 21217 Seevetal
 Germany
 T. +49 40 703 8888-0
info@feyelektronik.de
www.feyelektronik.de

[c] **Test Laboratory**
 Fey Elektronik GmbH
 Storchenweg 3
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☐ Same Type Part Numbers # (all):

- [f] (i) ☒ Lithium-ion ☐ Lithium-metal ☐ Cell ☒ Battery
 [f] (ii) Mass: approx. 519 g
 [f] (iii) ☒ Watt-hour rating: 54 Wh or ☐ Lithium content: g
 [f] (v) Model number(s): PA-L2438.R001
 [f] (iv) Physical description: Secondary (rechargeable) Hardcase-Pack with five cells in a serial configuration and protective device.
 Nominal voltage: 18.0V, Nominal capacity: 3.0Ah typical
 Used and UN38.3-tested cell type: Samsung SDI, INR18650-30Q

Customer Part Name: Battery SR 502 EX
 Customer Part No.: U06-2070 Customer Spare Part No.: R06-2070
 Our batteries/products are manufactured according to a Quality-Management-System.
 For further information visit our website.

| [g] List of Tests Conducted | Result (Pass / Fail / N.A.) | Remark |
|---|-----------------------------|-----------------------|
| 38.3.4.1 Test T.1: Altitude simulation | Pass | |
| 38.3.4.2 Test T.2: Thermal test | Pass | |
| 38.3.4.3 Test T.3: Vibration | Pass | |
| 38.3.4.4 Test T.4: Shock | Pass | |
| 38.3.4.5 Test T.5: External short circuit | Pass | |
| 38.3.4.6 Test T.6: Impact/Crush | N.A. | for cell testing only |
| 38.3.4.7 Test T.7: Overcharge | Pass | |
| 38.3.4.8 Test T.8: Forced discharge | N.A. | for cell testing only |
| [h] Battery assembly: <input checked="" type="checkbox"/> Not Applicable. <input type="checkbox"/> UN38.3.3 (f) <input type="checkbox"/> UN38.3.3 (g) | | |
| [i] Test Reference: UN Manual of Tests and Criteria, Part III, sub-section 38.3, ST/SG/AC.10/11/Rev.7/Amend. 1 | | |

Important! The stated signatory affirms, that this document is a true and correct summary of the original individual tests and test data. The original test data is confidential information available to competent State Authorities with valid identification and only upon their formal request. Disclosure of the original test data to any other entity upon its request will be considered by Fey Elektronik and, should Fey Elektronik consider this request is with merit, may be subject to the prior execution of a nondisclosure agreement.



[j] Signatory Date: 2024-04-29
 Name: Michael Witte
 Title: General Manager

Signature:



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