

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

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| <p>[a] <input type="checkbox"/> Cell <input checked="" type="checkbox"/> Battery <input type="checkbox"/> Produkt <input checked="" type="checkbox"/> Tested Type Part #: PA-UL-LNB33.R001 <input checked="" type="checkbox"/> Same Type Part #: as listed below</p> | <p>[d] Unique report ID: UN.PB.PA-UL-LNB33.R001, UN38.3, Rev.5.1 [e] Date of test report: 2015-07-29</p> |
| <p>[b] Manufacturer Fey Elektronik GmbH Storchenweg 3 21217 Seevetal Germany info@feyelektronik.de T. +49 40 703 8888-0 www.feyelektronik.de</p> | <p>[c] Test Laboratory Fey Elektronik GmbH Storchenweg 3 21217 Seevetal Germany info@feyelektronik.de T. +49 40 703 8888-0 www.feyelektronik.de</p> |

Same Type Part Numbers # (all): PA-UL-LNB33E.R001

[f] (i) Lithium-ion Lithium-metal Cell Battery
[f] (ii) Mass: approx. 145 g
[f] (iii) Watt-hour rating: 36 Wh or Lithium content: g
Note: The watt-hours of the same part numbers may vary by +/- 20 percent from the above value according to UN38.3.2.2 (b).
[f] (v) Model number(s): PA-UL-LNB33.R001
[f] (iv) Physical description: Secondary (rechargeable) Softcase-Pack with three cells in a parallel configuration and protective device.
Nominal voltage: 3.6V, Nominal capacity: 10.05Ah typical
Used and UN38.3-tested cell type: Panasonic, NCR-18650BF
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: Not Applicable. UN38.3.3 (f) 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.5/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.



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| [j] Signatory | Date: 2020-03-13 |
| Name: Michael Witte | |
| Title: General Manager | |
| | |
| Signature: | |

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