

# UN 38.3 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 the UN Manual of Tests and Criteria, Part III, subsection 38.3.5

<input type="checkbox"/> Cell <input checked="" type="checkbox"/> Battery <input type="checkbox"/> Product <input checked="" type="checkbox"/> <b>Tested Type Part #:</b> S3P1/TLM-1550 <input type="checkbox"/> <b>Same Type Part #:</b>
<b>[b] Manufacturer</b> Tadiran Batteries GmbH Industriestrasse 22 63654 Buedingen Germany T. +49 6042 954 0 <a href="mailto:info@tadiranbatteries.de">info@tadiranbatteries.de</a> <a href="http://www.tadiranbatteries.de">www.tadiranbatteries.de</a>

<b>[d]</b> Unique report ID: F59VA34R002 and F50VA34.R005
<b>[e]</b> Report date: 2014.02.01 and 2014.10.01
<b>[c] Test Laboratory</b> Fey Elektronik GmbH Storchenweg 3 21217 Seevetal Germany T. +49 40 703 88 88 0


<input checked="" type="checkbox"/> <b>Same Type Part Numbers # (all):</b> All configurations with harness and cable of this battery with part number 15 3 3x55 xxx.
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<b>[f] (i)</b> <input type="checkbox"/> Li-ion <input checked="" type="checkbox"/> Li-metal.
<b>(iv) Description:</b> Primary (non-rechargeable) 12 V Lithium battery, assembled from 3 (three) "AA" sized TLM-1550 cells. The S3P1/TLM-1550 battery may come with optional suffixes consisting of a "/" followed by one or more letters and a digit. These suffixes indicate different types of finishing to the battery e.g. harness. Tadiran manufactures all cells/batteries under a quality management system as required under this regulation.
<b>(ii)</b> Mass: 65 g
<b>(iii)</b> <input type="checkbox"/> Watt hour rating or <input checked="" type="checkbox"/> Lithium content: 0.54 g
<b>(v)</b> <input type="checkbox"/> Cell <input checked="" type="checkbox"/> Battery <input type="checkbox"/> Product. Model number/Part number: S3P1/TLM-1550

[g] List of Tests Conducted	Result (Pass / Fail / N.A.)	Test record reference
38.3.4.1 T.1: Altitude simulation	Pass	Summary page 2
38.3.4.2 T.2: Thermal test	Pass	Summary page 2
38.3.4.3 T.3: Vibration	Pass	Summary page 2
38.3.4.4 T.4: Shock	Pass	Summary page 2
38.3.4.5 T.5: External short circuit	Pass	Summary page 2
38.3.4.6 T.6: Impact/Crush (cell only test)	Pass	Summary page 2
38.3.4.7 T.7: Overcharge (N.A for Li-metal only)	N.A.	Summary page 2
38.3.4.8 T.8: Forced discharge (cell only test)	Pass	Summary page 2

<b>[h]</b> Battery assembly: <input type="checkbox"/> Not Applicable. <input checked="" type="checkbox"/> UN38.3.3 (f) <input type="checkbox"/> UN38.3.3 (g)
<b>[i]</b> Test Reference: UN Manual of Tests and Criteria, Part III, sub-section 38.3. <i>Fifth revised edition</i>



<b>[j]</b> Signatory A. Date: 2018.02.12 Name: Marc Henn Title: Application Engineering Manager Signature: 
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<b>[j]</b> Signatory B. Date: 2018.02.12 Name: Olaf G. Lichtlein Title: General Manager Signature: 
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**Important!** The above signatory / signatories affirm 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 Tadiran and, should Tadiran consider this request is with merit, may be subject to the prior execution of a nondisclosure agreement.