

## 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-L1710.R001

**Same Type Part #:** as listed below

[d] Unique report ID:

UN.PB.PA-L1710.R001, UN38.3, Rev.6.1

[e] Date of test report:

2020-04-14

[b] **Manufacturer**

Fey Elektronik GmbH

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[c] **Test Laboratory**

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Same Type Part Numbers # (all):

[f] (i)  Lithium-ion  Lithium-metal  Cell  Battery

[f] (ii) Mass: approx. 4.5 kg

[f] (iii)  Watt-hour rating: 686 Wh or  Lithium content: g

[f] (v) Model number(s): PA-L1710.R001

[f] (iv) Physical description: Secondary (rechargeable) Hardcase-Pack with seventy cells in a seven serial, ten parallel configuration and protective device.

Nominal voltage: 25.2V, Nominal capacity: 29Ah typical

Used and UN38.3-tested cell type: Panasonic, NCR-18650TD

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.6/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: 2020-04-14

Name: Michael Witte

Title: General Manager

Signature:

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