

State: 01.10.2019



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

22/01/20

Date

HY-LINE AG

Company

Hochstrasse 355

Address

CH-8200 Schaffhausen

Address

Please mark with a cross and fill in as appropriate

Cell ☐

Battery ☒

Product ☐

Manufacturer

HY-LINE AG

Name

No 13 Kong 9th Rd Industrial Park Taipeh

Address

+886226010385

Phone

info@hy-line.ch

Email

www.hy-line.ch

Website

Manufacturer of the equipment

(if the cell or battery is contained in equipment)

Name

Address

Phone

Email

Website

Test Laboratory

Unique report ID HE7V035/2018 Report date: 31/08/18

SGS Taiwan Ltd.

Name

No 31-35 Wu Chyuan Rd New Taipeh

Address

+886222993279

Phone

info@tw.sgs.com

Email

www.tw.sgs.com

Website

Description

Li-ion ☒ Li-hybrid ☐ Li-metal ☐

Description: 2S3P Li-Ion battery pack

Mass: 292gr Watt hour rating 72Wh

Lithium content: 5.76gr

Cell ☐ Battery ☒ Product ☐

Model number/Part number: H2B2722.1

Battery assembly

Not Applicable ☐ UN 38.3.3 (f) ☒ UN 38.3.3 (g) ☐

Test Reference: UN Manual of Tests and Criteria, Part III, subsection 38.3: 6th edition

✗ Schaffhausen, 22th of January 2020

City, Date

✗ Fabian Fluck, Project Manager

Name, title

HY-LINE AG
Hochstrasse 355
CH-8200 Schaffhausen
www.hy-line.ch

✗ Signature

please fill in

List of tests conducted	Pass	Fail	N/A.
T1 - Altitude simulation (38.3.4.1)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
T2 - Thermal Test (38.3.4.2)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
T3 - Vibration (38.3.4.3)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
T4 - Shock (38.3.4.4)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
T5 - External Short Circuit (38.3.4.5)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
T6 - Impact/Crush (cell only test) (38.3.4.6)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
T7 - Overcharge (38.3.4.7)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
T8 - Forced Discharge (cell only test) (38.3.4.8)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>



No: HE7V035/2018

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VERIFICATION OF COMPLIANCE

Verification Report No. HE7V035/2018
Date of Issued August 31, 2018
Applicant HY-LINE AG
Address of Applicant HOCHSTRASSE 355, CH-8200 SCHAFFHAUSEN,
SWITZERLAND
Manufacturer HY-LINE AG
Address of Manufacturer NO.13, KONG 9TH ROAD, 2ND INDUSTRIAL PARK,
LINKOU DISTRICT, NEW TAIPEI CITY, TAIWAN, R.O.C.
Product 2S3P Li-ion Battery Pack
Model/ Type Ref. H2B2722.1
Ratings and Principal Characteristics 7.2 Vdc, 72.0 Wh
Tested According to UN ST/SG/AC.10/11/Rev.6/Amend.1 Manual of Tests and
Criteria, Part III, sub-section 38.3
As shown in the Test Report No. which
forms Part of this Verification HE70035/2018

Conclusion

Based upon a review of the Test Report(s), the tested sample of the product mentioned above is deemed to comply with the below requirements of:

UN ST/SG/AC.10/11/Rev.6/Amend.1 Manual of Tests and Criteria, Part III, sub-section 38.3

Test 1: Altitude Simulation

Test 4: Shock

Test 2: Thermal Test

Test 5: External Short Circuit

Test 3: Vibration

Test 7: Overcharge (Pack Only)

Note : This verification is only valid for the product and configuration described and in conjunction with the technical data detailed above.

Authorized Signatory:

SGS Taiwan LTD.
Terence Hsieh
Department Manager

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