

UN 38.3 Test Summary

Lithium Battery Test Summary in Accordance with Sub-section 38.3 of the UN Manual of Tests and Criteria (Part III, subsection 38.3.5)

Manufacturer [a], [b]:

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Tested P/N [f](v): (1) WEB 19, (2) 2P5S-202Ah, (3) LP54173207, (4) Lithium-Ionen-Batterie/48V/404Ah

Qualified type P/N [f] (v): BG 3.7 Still

Test report reference (ID) [d]: (1) WC20200825U03, (2) WC20200825U01, (3) QDLS20200622U01,
(4) KBS/WNE/48/2021/07/01

Test report date [e]: (1) 29/10/2020, (2) 29/10/2020, (3) 23/07/2020, (4) 21/06/2021-09/07/2021

Test Laboratory [c]: (1-3) Gouangzhou MCM Certification & Testing Co., Ltd.

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(4) STZ Energieeffiziente Leistungselektronik für elektrische Antriebe und
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Birnbaumweg 18, 63741 Aschaffenburg, Germany

Battery description [f]:

Technology (i): Lithium Ion
Mass (ii): 832 kg
Watt hour rating (iii): 19300 Wh
Physical description (iv): Rechargeable lithium-ion battery assembled with 3 serial modules
composed of 5 serial strings of 2 LP54173207 cells in parallel (3S-2P5S).

List of Tests conducted [g]:

T.1 Altitude simulation:	Passed	T.5 External short circuit:	Passed
T.2 Thermal Test:	Passed	T.6 Impact/Crush:	Passed
T.3 Vibration:	Passed	T.7 Overcharge:	N/A
T.4 Shock:	Passed	T.8 Forced discharge:	Passed

Reference to assembled battery testing requirements [h]: Assembly of batteries 38.3.3 (g)

Applied standard [i]: UN ST/SG/AC.10/11/Rev.6, Amend.1

Signatory [j]:

Date: 24/11/2021
Name: Christian Hasenstab
Title: Managing Director
Signature: 

Signatory [j]:

Date: 24/11/2021
Name: Dr. Carsten Harnisch
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