

**UN 38.3 Test Summary**  
*Lithium Battery Test Summary in Accordance with Sub-section 38.3 of the UN Manual of Tests and Criteria*

**Manufacturer [a], [b]:**  
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**Tested P/N [f] (v):** (1) BG 7.13, (2) 14S1P CATL PrehLiX, (3) CB5Q0 3.22V 94.5Ah 304.29Wh  
**Qualified type P/N [f] (v):** BG 10.13  
**Test report reference (ID) [d]:** (1) KBS/2023/05/01-BG13\_3\_BG5\_14, (2) BU-202200306-B1, (3) RZUN2022-5793, (4) KBS\_23\_12\_BG7\_14\_Kurzschluss\_v1\_1  
**Test report date [e]:** (1) 16/05/2023, (2) 02/02/2023, (3) 29/12/2022, (4) 25/01/2024  
**Test Laboratory [c]:** (1), (4) STZ Energieeffiziente Leistungselektronik für elektrische Antriebe und Speicher, HS Aschaffenburg, Birnbaumweg 18, 63741 Aschaffenburg,  
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**Battery description [f]:**  
 Technology (i): Lithium Ion  
 Mass (ii): 1458 kg  
 Watt hour rating (iii): 89,0 kWh (\*useable Watt hour rating, equivalent to 90 % of installed energy)  
 Physical description (iv): Rechargeable lithium-ion battery composed of 12 x 2 serial modules in parallel, each consisting of 14 serial strings of CB5Q0 cells

**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. 7

**Signatory [j]:**  
 Date: 30.01.2024  
 Signature:

Christian Hasenstab - or -  Tobias Zierhut  
 Managing Director