


# UN 38.3 TEST REPORT SUMMARY

We herewith confirm that each battery of this type is proved to meet the requirements of applicable tests in the UN Manual of Tests and Criteria ST/SG/AC.10/11/Rev.8, Part III, Sub-Section 38.3.

In the following, lithium battery test summary according to Sub-Section 38.3.5

- (a), (b) Manufacturer: Victron Energy B.V.  
De Paal 35  
1351 JG Almere-Haven  
The Netherlands  
Phone: +31 36 5359700  
E-Mail: sales@victronenergy.com  
Webpage: www.victronenergy.com
- Customer: Victron Energy B.V.  
De Paal 35  
1351 JG Almere-Haven  
The Netherlands  
Phone: +31 36 5359700  
E-Mail: sales@victronenergy.com  
Webpage: www.victronenergy.com
- (c) Test laboratory: Batteryuniversity GmbH  
Am Sportplatz 30  
63791 Karlstein am Main  
Germany  
Phone: +49 6188 – 99410-0  
E-Mail: mail@bu-lab.eu  
Webpage: www.bu-lab.eu
- (d) Report reference no.: BU-202410098-B1
- (e) Date of test report: November 13, 2024
- (f) Description of devices under test:
- |                            |   |
|----------------------------|---|
| (i) Type:                  | Lithium ion batteries                                   |
| (ii) Mass of battery:      | 37.0 kg   |
| (iii) Watt-hour rating:    | 5120 Wh   |
| (iv) Physical description: | 16S1P Vision E36130200LFP-100Ah1C; rechargeable battery |
| (v) Model numbers:         | BAT548110620, LiFePO4 Battery 51,2V/100Ah NG            |
- (g) Performed tests:
- |                             |  |
|-----------------------------|--|
| T.1 Altitude simulation:    | Passed                                       |
| T.2 Thermal test:           | Passed                                       |
| T.3 Vibration:              | Passed                                       |
| T.4 Shock:                  | Passed                                       |
| T.5 External short circuit: | Passed                                       |
| T.6 Impact/Crush:           | Not applicable                               |
| T.7 Overcharge:             | Not performed in accordance with 38.3.3.1(d) |
| T.8 Forced discharge:       | Not applicable                               |
- (h) Reference to assembled battery testing requirements: Not applicable
- (i) Applied standard: UN ST/SG/AC.10/11/Rev.8  
Manual of Tests and Criteria, Part III, section 38.3, Lithium metal, lithium ion and sodium ion batteries

(j) Signature: November 13, 2024   
Alexander Roth, Laboratory Manager