

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.7, 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-202300043-B1
- (e) Date of test report: March 28, 2023
- (f) Description of devices under test:
- | | |
|----------------------------|---|
| (i) Type: | Lithium ion batteries |
| (ii) Mass of battery: | 19.30 kg |
| (iii) Watt-hour rating: | 2304 Wh |
| (iv) Physical description: | 4S2P E-36130200LFP-90Ah; rechargeable battery |
| (v) Model numbers: | BAT512118610 |
- (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 |
| 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.7
Recommendations of the TRANSPORT OF DANGEROUS GOODS, Manual of Tests and Criteria, Part III, section 38.3, Lithium metal and lithium ion batteries

(j) Signature:

March 28, 2023


Alexander Roth, Laboratory Manager