


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-202410107-B1
- (e) Date of test report: November 20, 2024
- (f) Description of devices under test:
- | | |
|----------------------------|---|
| (i) Type: | Lithium-ion batteries |
| (ii) Mass of battery: | 27.79 kg |
| (iii) Watt-hour rating: | 3840.00 Wh |
| (iv) Physical description: | 4S2P Vision IFP48173166-150Ah; rechargeable battery |
| (v) Model numbers: | BAT512130620, LiFePO4 Battery 12,8V/300Ah 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 20, 2024 
Alexander Roth, Laboratory Manager