



FLASH TEST REPORT

Execution Vehicle

State of charge
Date 23/06/2
Executed by

78 % 23/06/2025 08:25:40 Carla AB

Brand Model VIN Mileage Volvo XC40 Recharge - 78 kWh YV1XZEDV4P2110971 90,331 km

Analysis Result

AVILOO SCORE



High voltage battery usage and history Analysis of charging & driving behavior

29 / 30

High voltage battery performance

Analysis of cell voltages and module temperatures.

67 / 70

High voltage battery control unit

Check of signals and calculations of the battery management control unit.



Vehicle communication interface

Check of communication via the diagnostic interface.

Belge

Dr. Marcus Berger CEO and Partner DI Wolfgang Berger MBA CSO and Founder

DI Nikolaus Mayerhofer CTO and Founder





EXPLANATION OF THE BATTERY FLASH TEST

ANALYSIS METHOD

The analysis performed is a combined result of: The communication quality between the diagnostic hardware AVILOO Box and the on-board diagnostic interface of the vehicle. The live battery data and data that indicates the previous use of the high voltage battery, which is made available to the AVILOO Box by the battery management system during the measurement. The plausibility check and classification of the battery condition using the collected values and a comparison with the AVILOO Battery Cloud using Big Data algorithms.

FLASH TEST EXECUTION PROTOCOL

08:25:37 AVILOO Box connected.

- FLASH Test started.
- Starting data acquisition.
- Vehicle detected.
- Finished data acquisition.
- Analyzing data.
- Analysis completed.

DETAILED RESULTS OF PERFORMED CHECKS

Vehicle Information

Date 23/06/2025 08:25:40 Mileage 90,331 km VIN YV1XZEDV4P2110971

Measurements High Voltage System

21.6 °C Battery temperature Maximum cell temperature deviation 1.64 °C Pack voltage 438.9 V Maximum cell voltage deviation 13 mV -8.99 A Peak current during check State of Health (SoH - read from car manufacturer)* 94.98 %

*The SoH shown here was not calculated by AVILOO but corresponds to the SoH read out from the battery management system and calculated by the manufacturer. AVILOO therefore does not guarantee the correctness of this SoH.





IZ NÖ-Süd, Straße 16, Objekt 69/5 Phone: +43 2236 374 036 VAT No.: ATU 737 81605 2355 Wiener Neudorf Mail: info@aviloo.com Co. No.: 502117 h

Web: www.aviloo.com

