



FLASH TEST REPORT

Execution

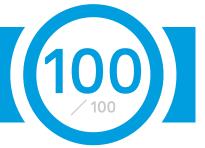
State of charge Date Executed by

Vehicle

71 % 10/03/2025 10:14:26 Carla AB Brand Model VIN Mileage Volvo XC40 Recharge - 82 kWh YV1XZEHR4R2233329 45,089 km

Analysis Result

AVILOO SCORE



High voltage battery usage and history

Analysis of charging & driving behavior

70 / 70

High voltage battery performance

Analysis of cell voltages and module temperatures.

30 / 30

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.



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

10:14:22 AVILOO Box connected.

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

DETAILED RESULTS OF PERFORMED CHECKS

Vehicle Information

VIN YV1XZEHR4R2233329 Date 10/03/2025 10:14:26 Mileage 45,089 km

Measurements High Voltage System

Battery temperature 17.9 °C Maximum cell temperature deviation 1.63 °C Pack voltage 436.5 V Maximum cell voltage deviation 12 mV Peak current during check -7.4 A State of Health (SoH - read from car manufacturer)* 99.35 %

*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.





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