



# FLASH TEST REPORT

#### Execution

State of charge Date Executed by

### Vehicle

50 % 16/05/2025 12:05:10 Carla AB Brand Model VIN Mileage

Volvo XC40 Recharge - 82 kWh YV1XZERR8R2306474 25,553 km

## **Analysis Result**

# **AVILOO SCORE**



High voltage battery usage and history

Analysis of charging & driving behavior

**67** / 70

High voltage battery performance

Analysis of cell voltages and module temperatures.

**28** / 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

12:05:06 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
 16/05/2025 12:05:10

 Mileage
 25,553 km

 VIN
 YV1XZERR8R2306474

#### Measurements High Voltage System

Battery temperature 13.5 °C

Maximum cell temperature deviation 1.37 °C

Pack voltage 410.3 V

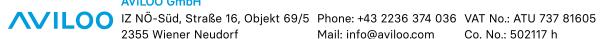
Maximum cell voltage deviation 11 mV

Peak current during check -5.1 A

State of Health (SoH - read from car manufacturer)\* 94.14 %

fastcheck.certificate.explanationFooterText





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