



FLASH TEST REPORT

Execution

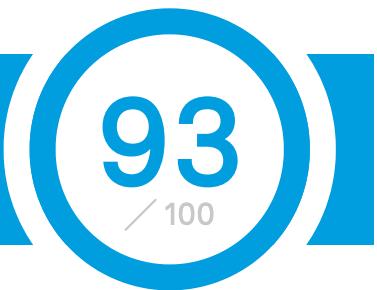
State of charge **27 %**
Date **11/06/2025 15:29:36**
Executed by **Carla AB**

Vehicle

Brand **Volvo**
Model **XC40 Recharge - 69 kWh**
VIN **YV1XZEFVXP2964389**
Mileage **48,514 km**

Analysis Result

AVILOO SCORE



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

65 / 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

15:29:32 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	11/06/2025 15:29:36
Mileage	48,514 km
VIN	YV1XZEFVXP2964389

Measurements High Voltage System

Battery temperature	16.29 °C
Maximum cell temperature deviation	1.19 °C
Pack voltage	348.3 V
Maximum cell voltage deviation	6 mV
Peak current during check	-4.47 A
State of Health (SoH - read from car manufacturer)*	91.2 %

fastcheck.certificate.explanationFooterText

