



FLASH TEST REPORT

Execution

State of charge Date Executed by

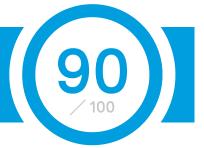
Vehicle

28/03/2025 12:51:55 Carla AB Brand Model VIN Mileage

Nissan Leaf ZE1 - 40 kWh SJNFAAZE1U0042058 68,672 km

Analysis Result

AVILOO SCORE



High voltage battery usage and history

Analysis of charging & driving behavior

64 / 70

High voltage battery performance

Analysis of cell voltages and module temperatures.

26 / 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

12:51:51 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 SJNFAAZE1U0042058 28/03/2025 12:51:55 Date Mileage 68,672 km

Measurements High Voltage System

Battery temperature 23 °C Maximum cell temperature deviation 7°C Pack voltage 334.8 V Maximum cell voltage deviation 16.03 mV Peak current during check -1.68 A State of Health (SoH - read from car manufacturer)* 87.24 %

*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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