



# FLASH TEST REPORT

## Execution

State of charge 31 %  
Date 30/04/2025 13:18:13  
Executed by Sweden

## Vehicle

Brand Nissan  
Model Leaf ZE1 - 40 kWh  
VIN SJNFAAZE1U0067887  
Mileage 95,436 km

## Analysis Result

# AVILOO SCORE

90  
/ 100

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

63 / 70

**High voltage battery performance**  
Analysis of cell voltages and module temperatures.

27 / 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.



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# 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

13:18:09	AVILOO Box connected.
✓	FLASH Test started.
✓	Vehicle detected.
✓	Starting data acquisition.
✓	Finished data acquisition.
✓	Analyzing data.
✓	Analysis completed.

## DETAILED RESULTS OF PERFORMED CHECKS

### Vehicle Information

VIN	SJNFAAZE1U0067887
Date	30/04/2025 13:18:13
Mileage	95,436 km

### Measurements High Voltage System

Battery temperature	13 °C
Maximum cell temperature deviation	1 °C
Pack voltage	348.71 V
Maximum cell voltage deviation	11.04 mV
Peak current during check	-3.49 A
State of Health (SoH - read from car manufacturer)*	88.45 %

\*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.

