



# FLASH TEST REPORT

## Execution

State of charge 10 %  
Date 11/06/2025 12:59:05  
Executed by Carla AB

## Vehicle

Brand Volkswagen  
Model ID4 - 77 kWh  
VIN WVGZZZE2ZNP004017  
Mileage 45,490 km

## Analysis Result

# AVILOO SCORE

96  
/ 100

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

67 / 70

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

29 / 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

12:59:01	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 12:59:05
Mileage	45,490 km
VIN	WVGZZZE2ZNP004017

### Measurements High Voltage System

Battery temperature	16.62 °C
Maximum cell temperature deviation	0.5 °C
Pack voltage	336.27 V
Maximum cell voltage deviation	5.86 mV
Peak current during check	-11.45 A
State of Health (SoH - read from car manufacturer)*	94.81 %

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