



# FLASH TEST REPORT

## Execution

State of charge 9.77 %  
Date 13/05/2025 14:50:11  
Executed by Carla AB

## Vehicle

Brand Tesla  
Model Model Y - 74,5 kWh  
VIN LRWYGCEK1MC065497  
Mileage 81,123 km

## Analysis Result

# AVILOO SCORE

92  
/ 100

### High voltage battery usage and history

Analysis of charging & driving behavior

64 / 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.



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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

14:50:07

✓

AVILOO Box connected.

✓

FLASH Test started.

✓

Vehicle detected.

✓

✓

✓

✓

## DETAILED RESULTS OF PERFORMED CHECKS

### Vehicle Information

Date	13/05/2025 14:50:11
Mileage	81,123 km
VIN	LRWYGCEK1MC065497

### Measurements High Voltage System

Battery temperature	27 °C
Maximum cell temperature deviation	1 °C
Pack voltage	330.82 V
Maximum cell voltage deviation	4 mV
Peak current during check	-4.98 A
State of Health (SoH - read from car manufacturer)*	94.63 %

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