



# FLASH TEST REPORT

## Execution

State of charge **87.4 %**  
Date 28/01/2025 09:03:50  
Executed by Carla AB

## Vehicle

Brand Tesla  
Model Model S  
VIN 5YJSA7E26MF417901  
Mileage 95,843 km

## Analysis Result

# AVILOO SCORE

**94**  
/ 100

### High voltage battery usage and history

Analysis of charging & driving behavior

**66** / 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

09:03:46 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

VIN	5YJSA7E26MF417901
Date	28/01/2025 09:03:50
Mileage	95,843 km

### Measurements High Voltage System

Battery temperature	23.41 °C
Maximum cell temperature deviation	2.23 °C
Pack voltage	393.68 V
Maximum cell voltage deviation	4.57 mV
Peak current during check	-1.35 A

