



FLASH TEST REPORT

Execution

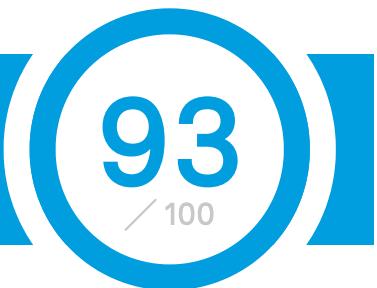
State of charge 52.36 %
Date 09/06/2025 13:37:34
Executed by Carla AB

Vehicle

Brand Tesla
Model Model 3 - 78,8 kWh
VIN LRW3E7EK6NC511944
Mileage 78,338 km

Analysis Result

AVILOO SCORE



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

66 / 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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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

13:37:30 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

Date	09/06/2025 13:37:34
Mileage	78,338 km
VIN	LRW3E7EK6NC511944

Measurements High Voltage System

Battery temperature	30.38 °C
Maximum cell temperature deviation	1 °C
Pack voltage	367.59 V
Maximum cell voltage deviation	6 mV
Peak current during check	-3.59 A
State of Health (SoH - read from car manufacturer)*	92.21 %

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