



## FLASH TEST REPORT

## **Execution** Vehicle

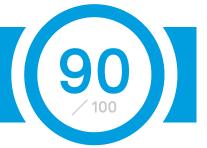
State of charge 43.44 % Date 16/05/2025 07:30:38

Executed by Carla AB

Brand Model VIN Mileage Tesla Model Y - 74,5 kWh LRWYGCEK9MC065490 112,851 km

## **Analysis Result**

# **AVILOO SCORE**



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.



Dr. Marcus Berger 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

07:30:34 AVILOO Box connected.

- 1 FLASH Test started.
- Vehicle detected.
- Starting data acquisition.
- Finished data acquisition.
- Analyzing data.
- Analysis completed.

#### DETAILED RESULTS OF PERFORMED CHECKS

#### **Vehicle Information**

Date 16/05/2025 07:30:38 Mileage 112,851 km VIN LRWYGCEK9MC065490

#### Measurements High Voltage System

Battery temperature 27 °C Maximum cell temperature deviation 0.5 °C Pack voltage 356.53 V 2 mV Maximum cell voltage deviation -3.63 A Peak current during check State of Health (SoH - read from car manufacturer)\* 92.3 %

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