



# FLASH TEST REPORT

## **Execution**

State of charge Date Executed by

### Vehicle

16 % 28/12/2023 15:05:41 Carla AB Brand Model VIN Mileage Tesla Model Y - 78,8 kWh XP7YGCEK5PB090878 42,421 km

### **Analysis Result**

# **AVILOO SCORE**



**67** / 70

29 / 30

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

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

High voltage battery control unit

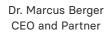
Check of signals and calculations of the battery management control unit.

Vehicle communication interface

Check of communication via the diagnostic interface.

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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

15:05:38 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**

 VIN
 XP7YGCEK5PB090878

 Date
 28/12/2023 15:05:41

 Mileage
 42,421 km

### Measurements High Voltage System

Battery temperature 6.5 °C

Maximum cell temperature deviation 0.5 °C

Pack voltage 337.22 V

Maximum cell voltage deviation 4 mV

Peak current during check -9.14 A

State of Health (SoH - read from car manufacturer)\* 96.93 %



UID Nr.: ATU 737 81605 FN: 502117 h



<sup>\*</sup>The SoH shown here was not calculated by AVILOO but corresponds to the SoH read out from the battery management system and calculated by the manufacturer. AVILOO therefore does not guarantee the correctness of this SoH.