

# FLASH TEST REPORT

## Execution

State of charge 26.3 %  
Date 14/12/2023 07:12:43  
Executed by Carla AB

## Vehicle

Brand Tesla  
Model Model X  
VIN 5YJXCCE29KF188541  
Mileage 73,971 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

- 07:12:40
- 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	5YJXCCE29KF188541
Date	14/12/2023 07:12:43
Mileage	73,971 km

### Measurements High Voltage System

Battery temperature	13.65 °C
Maximum cell temperature deviation	2.21 °C
Pack voltage	342.38 V
Maximum cell voltage deviation	13.15 mV
Peak current during check	-23.05 A

