

# INDEPENDENT BATTERY CERTIFICATE



CERTIFICATE NUMBER: F0934E73-28CC-4E12-9BC8-5B63D4A74E2A

## VEHICLE

**BRAND:** Tesla  
**MODEL:** Model 3 - 55 kWh

**MILEAGE:** 52,989 km  
**VIN:** LRW3E7FAXMC232808  
**DATE AND TIME:**  
11.09.2025, 15:02:18

**EXECUTED BY:** AAA Auto

## RESULTS

### STATE OF HEALTH (SOH)

**92.7 %**

#### ENERGY

51kWh | 55kWh



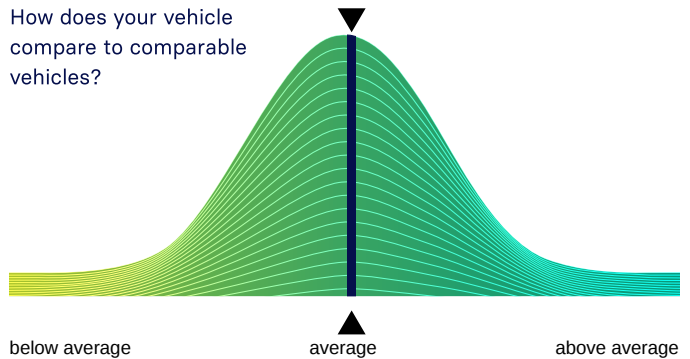
#### WLTP RANGE

399km | 430km

## RATING

### BENCHMARKING

How does your vehicle compare to comparable vehicles?



## CHECKS

Battery Management System (BMS)	✓
Battery Sensor	✓
Battery Measurements	✓
Battery Cell Voltages	✓
Vehicle Communication	✓



## EVALUATION

### GOOD HEALTH - NO ABNORMALITIES DETECTED

Based on the detailed battery diagnostics performed with the AVILOO FLASH Test, we hereby certify that the drive battery of this vehicle is in good condition.

The drive battery is therefore officially AVILOO Certified.

*Marcus Berger*

Dr. Marcus Berger, CEO



## ENERGY

	Gross	Net (Nominal)	Usable
Current:	51.1kWh	51.1kWh	48.7kWh
New:	55.1kWh	55.1kWh	52.5kWh

## RANGE

	WLTP	Typical	Individual
Current:	399-399km	302km	298km
New:	430-430km	326km	321km

## EXECUTION PROTOCOL

AVILOO Box connected. 15:02:14

FLASH Test started.	✓
Starting data acquisition.	✓
Vehicle detected.	✓
Finished data acquisition.	✓

## SENSORS

Voltage Sensor	✓
Current Sensor	✓
Temperature Sensors	✓
Cell Voltage Sensors	✓

## BMS

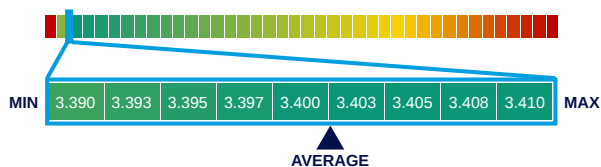
	Value	Status
BMS State of Charge (SoC)*:	100%	
SoC calculation accuracy:		✓
BMS State of Health (SoH)*:	91%	
SoH calculation accuracy:		✓

## MEASUREMENTS

	Min	Max	Delta	Status
Battery Temperature	23.0°C	26.0°C	3.0°C	✓
Cell Voltage	3.390V	3.410V	20mV	✓
Pack Voltage	360.3V			
Average Current	-2.6A			

## CELL VOLTAGES DIAGRAM

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1 - 20	3.397	3.392	3.399	3.397	3.390	3.398	3.396	3.391	3.395	3.392	3.398	3.391	3.398	3.391	3.402	3.404	3.403	3.404	3.401	3.393
21 - 40	3.402	3.398	3.395	3.402	3.391	3.405	3.408	3.401	3.404	3.404	3.404	3.408	3.408	3.401	3.402	3.407	3.407	3.404	3.409	3.404
41 - 60	3.404	3.408	3.410	3.408	3.402	3.404	3.403	3.404	3.407	3.410	3.406	3.406	3.408	3.399	3.405	3.400	3.399	3.406	3.400	3.398
61 - 80	3.399	3.399	3.396	3.399	3.404	3.403	3.398	3.409	3.409	3.403	3.407	3.401	3.406	3.408	3.402	3.400	3.402	3.405	3.404	3.405
81 - 100	3.407	3.398	3.390	3.399	3.398	3.399	3.396	3.397	3.395	3.398	3.396	3.398	3.397	3.399	3.400	3.402	3.400	3.399	3.397	3.401
101 - 106	3.401	3.400	3.400	3.399	3.400	3.401														



\*The values shown here were not calculated by AVILOO but correspond to the values read out from the battery management system (BMS) and were calculated by the manufacturer. AVILOO therefore assumes no liability for their accuracy.

**DISCLAIMER:** The test result includes the currently calculated state of health (SoH) of the drive battery. The determination is based on data provided by the vehicle. These are evaluated by AVILOO's algorithms using statistical and analytical models. Manipulation of the data in the control unit leads to an incorrect result. The indicated SoH has a technically induced fluctuation range (deviation) of no more than 3% in at least 95% of reference measurements. It should be noted that this tolerance applies to the SoH determination at the cell level and not to the SoH of the entire battery. This is because the state of charge of individual cells may vary, which can negatively affect the current SoH of the battery. However, this can be compensated by the Battery Management System (BMS) or during a calibration. The result reflects the condition of the battery at the time of the test. No conclusions can be drawn about the future state of health of the battery from this. Statements about mechanical damage or external influences are not part of this diagnosis.