INDEPENDENT

BATTERY CERTIFICATE

AVILOO
BATTERY DIAGNOSTICS

CERTIFICATE NUMBER: 4F6BFB6E-2949-45FC-BE13-39A9BDC80F61

VEHICLE

BRAND: Tesla
MODEL: Model Y - 74,5 kWh

MILEAGE: 94,648 km
VIN: LRWYGCEK9MC128202
DATE AND TIME:
14.08.2025, 07:25:41

EXECUTED BY: Carla AB

RESULTS

STATE OF HEALTH (SOH)

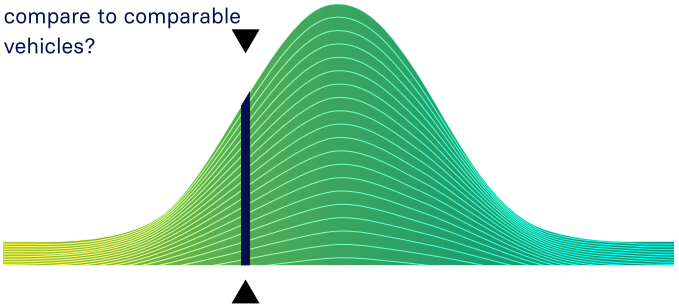
92.1 %

ENERGY 69kWh | 75kWh

WLTP RANGE 467km | 507km

RATING

BENCHMARKING
How does your vehicle compare to comparable vehicles?



below average | average | above average

CHECKS

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

SCAN FOR DETAILS

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.

Dr. Marcus Berger, CEO

CARA Approved Battery Health Check

BATTERY IS TESTED AND CERTIFIED BY AVILOO
AVILOO CERTIFIED

ENERGY

	Gross	Net (Nominal)	Usable
Current:	68.6kWh	68.6kWh	65.5kWh
New:	74.5kWh	74.5kWh	71.1kWh

RANGE

	WLTP	Typical	Individual
Current:	442-467km	345km	274km
New:	480-507km	375km	298km

EXECUTION PROTOCOL

AVILOO Box connected. **07:25:37**

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

SENSORS

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

BMS

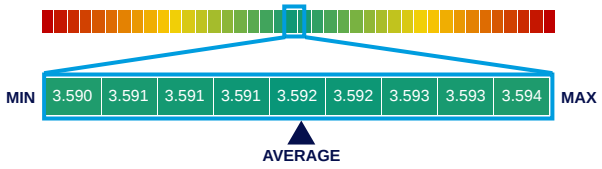
	Value	Status
BMS State of Charge (SoC)*:	24%	
SoC calculation accuracy:		✓
BMS State of Health (SoH)*:	93%	
SoH calculation accuracy:		✓

MEASUREMENTS

	Min	Max	Delta	Status
Battery Temperature	28.5°C	29.5°C	1.0°C	✓
Cell Voltage	3.590V	3.594V	4mV	✓
Pack Voltage	344.7V			
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	3.594	3.592	3.594	3.593	3.594	3.594	3.594	3.594	3.593	3.594	3.594	3.593	3.594	3.593	3.593	3.593	3.593	3.593	3.594	3.594
21 - 40	3.593	3.592	3.593	3.592	3.591	3.592	3.591	3.591	3.590	3.591	3.591	3.590	3.590	3.591	3.591	3.591	3.591	3.591	3.591	3.592
41 - 60	3.591	3.591	3.591	3.591	3.591	3.591	3.591	3.591	3.594	3.593	3.593	3.593	3.593	3.593	3.594	3.593	3.594	3.593	3.593	3.594
61 - 80	3.593	3.593	3.593	3.593	3.593	3.593	3.593	3.592	3.593	3.593	3.592	3.592	3.593	3.592	3.592	3.592	3.593	3.592	3.592	3.592
81 - 96	3.592	3.592	3.592	3.592	3.593	3.592	3.593	3.592	3.592	3.592	3.592	3.592	3.592	3.592	3.593	3.592				



*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 AVILOOs 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 Managament 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.

AVILOO GmbH | IZ NÖ-Süd, Straße 16, Objekt 69/5 | 2355 Wiener Neudorf | Austria | info@aviloo.com

4F6BFB6E-2949-45FC-BE13-39A9BDC80F61