

INDEPENDENT BATTERY CERTIFICATE



CERTIFICATE NUMBER: 3DD02EF2-819B-406D-91D8-3823C3E9A3B8

VEHICLE

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

MILEAGE: 88,295 km
VIN: LRWYGCEK6MC052230
DATE AND TIME:
11.08.2025, 09:24:43

EXECUTED BY: Carla AB

RESULTS

STATE OF HEALTH (SOH)

91.6 %

ENERGY

68kWh | 75kWh



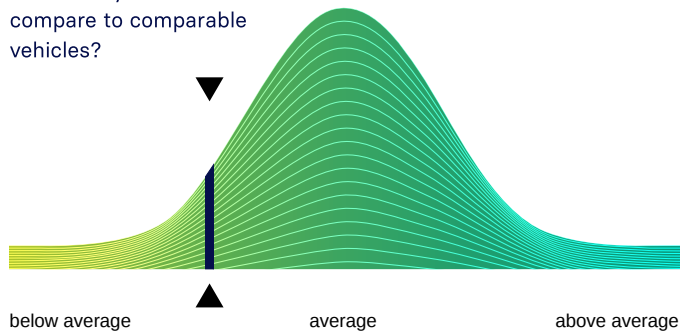
WLTP RANGE

465km | 507km

RATING

BENCHMARKING

How does your vehicle compare to comparable vehicles?



CHECKS

Battery Management System (BMS) ✓

Battery Sensor - warning detected !

Battery Measurements ✓

Battery Cell Voltages ✓

Vehicle Communication ✓



SCAN FOR DETAILS

EVALUATION

WARNING! - SIGNIFICANT ISSUES DETECTED

During the detailed battery diagnosis with the AVILOO FLASH Test, anomalies were detected that require monitoring or inspection. For Details scan the QR code.

For assistance, please contact AVILOO Customer Management.

Marcus Berger

Dr. Marcus Berger, CEO



ENERGY

	Gross	Net (Nominal)	Usable
Current:	68.3kWh	68.3kWh	65.1kWh
New:	74.5kWh	74.5kWh	71.1kWh

RANGE

	WLTP	Typical	Individual
Current:	440-465km	343km	308km
New:	480-507km	375km	336km

EXECUTION PROTOCOL

AVILOO Box connected. 09:24:39

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

SENSORS

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

BMS

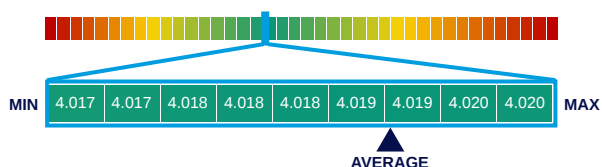
	Value	Status
BMS State of Charge (SoC)*:	77%	
SoC calculation accuracy:		✓
BMS State of Health (SoH)*:	92%	
SoH calculation accuracy:		✓

MEASUREMENTS

	Min	Max	Delta	Status
Battery Temperature	19.0°C	19.5°C	0.5°C	✓
Cell Voltage	4.017V	4.020V	3mV	✓
Pack Voltage	385.6V			
Average Current	-3.3A			

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	4.019	4.019	4.020	4.020	4.020	4.020	4.020	4.019	4.019	4.019	4.019	4.019	4.019	4.019	4.019	4.019	4.019	4.019	4.019	4.019
21 - 40	4.019	4.019	4.019	4.019	4.019	4.019	4.019	4.019	4.019	4.019	4.019	4.019	4.019	4.019	4.019	4.019	4.019	4.019	4.020	4.019
41 - 60	4.019	4.019	4.019	4.019	4.019	4.019	4.019	4.019	4.019	4.019	4.019	4.019	4.019	4.019	4.019	4.019	4.019	4.019	4.019	4.019
61 - 80	4.019	4.019	4.019	4.019	4.019	4.019	4.019	4.019	4.019	4.019	4.019	4.019	4.019	4.020	4.020	4.020	4.020	4.020	4.020	4.020
81 - 96	4.020	4.020	4.020	4.020	4.018	4.018	4.018	4.018	4.018	4.018	4.018	4.018	4.018	4.018	4.017	4.018	/	/	/	/



MESSAGES

A deviation in the battery current measurement was detected, indicating a defective current sensor. Please retry the FLASH Test, ensuring that the vehicle is not charged or driven and the air conditioning and heating are switched off during the test. If the problem persists, please contact AVILOO Customer Management or arrange for your vehicle to be checked at a workshop.

*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.