INDEPENDENT

BATTERY CERTIFICATE

AVILOO
BATTERY DIAGNOSTICS

CERTIFICATE NUMBER: C6393A06-44C2-4099-8F59-51034221215E

VEHICLE

BRAND: Tesla
MODEL: Model Y - 78,8 kWh

MILEAGE: 64,332 km
VIN: XP7YGCEL2NB007641
DATE AND TIME:
18.09.2025, 06:38:00

EXECUTED BY: Carla AB

RESULTS

STATE OF HEALTH (SOH)

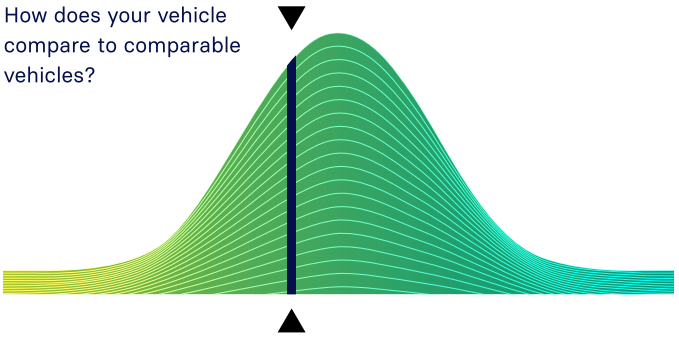
93.2 %

ENERGY 73kWh | 79kWh

WLTP RANGE 505km | 542km

RATING

BENCHMARKING
How does your vehicle compare to comparable vehicles?



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

THIS BATTERY IS TESTED AND AVILOO CERTIFIED
AVILOO CERTIFIED

ENERGY

	Gross	Net (Nominal)	Usable
Current:	73.4kWh	73.4kWh	70.2kWh
New:	78.8kWh	78.8kWh	75.3kWh

SENSORS

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

RANGE

	WLTP	Typical
Current:	479-505km	374km
New:	514-542km	401km

BMS

	Value	Status
BMS State of Charge (SoC)*:	94%	
SoC calculation accuracy:		✓
BMS State of Health (SoH)*:	93%	
SoH calculation accuracy:		✓

EXECUTION PROTOCOL

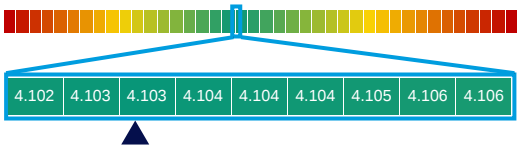
AVILOO Box connected.	06:37:56
FLASH Test started.	✓
Vehicle detected.	✓
Starting data acquisition.	✓
Finished data acquisition.	✓
Analyzing data.	✓
Analysis completed.	✓

MEASUREMENTS

	Min	Max	Delta	Status
Battery Temperature	20.5°C	21.0°C	0.5°C	✓
Cell Voltage	4.102V	4.106V	4mV	✓
Pack Voltage	394.0V			
Average Current	-2.4A			

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	4.103	4.105	4.105	4.105	4.103	4.105	4.105	4.105	4.105	4.105	4.105	4.105	4.105	4.105	4.105	4.105	4.105	4.105	4.105	4.106
21 - 40	4.106	4.106	4.106	4.102	4.102	4.102	4.102	4.103	4.102	4.102	4.102	4.103	4.103	4.103	4.103	4.102	4.103	4.102	4.102	4.102
41 - 60	4.102	4.102	4.103	4.103	4.103	4.103	4.103	4.103	4.103	4.102	4.102	4.103	4.103	4.103	4.103	4.102	4.105	4.105	4.105	4.105
61 - 80	4.103	4.103	4.103	4.103	4.103	4.103	4.103	4.103	4.105	4.105	4.105	4.105	4.105	4.103	4.103	4.103	4.103	4.103	4.103	4.103
81 - 96	4.103	4.103	4.105	4.103	4.103	4.103	4.103	4.103	4.103	4.103	4.105	4.103	4.105	4.105	4.105	4.105				



MIN									MAX
4.102	4.103	4.103	4.104	4.104	4.104	4.105	4.106	4.106	

AVERAGE

*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.

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