

INDEPENDENT BATTERY CERTIFICATE



CERTIFICATE NUMBER: E8DE8ECB-6CA1-4D18-948F-C0E7BE16F9D2

VEHICLE

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

MILEAGE: 36,810 km
VIN: XP7YGCEK2RB299241
DATE AND TIME:
25.08.2025, 08:14:16

EXECUTED BY: Carla AB

RESULTS

STATE OF HEALTH (SOH)

96.0 %

ENERGY

76kWh | 79kWh



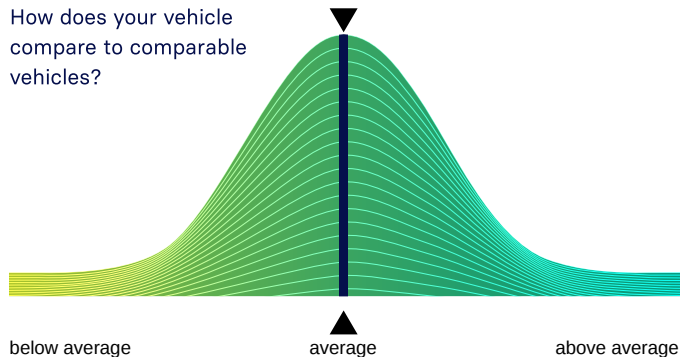
WLTP RANGE

520km | 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	✓



EVALUATION

EXCELLENT 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 excellent condition.

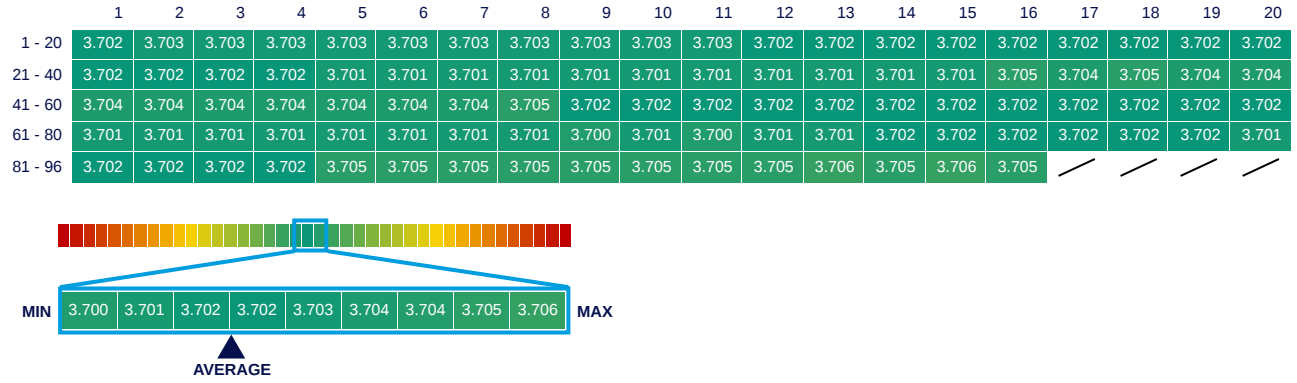
The drive battery is therefore officially AVILOO Certified.

Marcus Berger

Dr. Marcus Berger, CEO



CELL VOLTAGES DIAGRAM



EXECUTION PROTOCOL

AVILOO Box connected.	08:14:12
FLASH Test started.	✓
Vehicle detected.	✓
Starting data acquisition.	✓
Finished data acquisition.	✓
Analyzing data.	✓
Analysis completed.	✓

RANGE

	WLTP	Typical	Individual
Current:	493-520km	385km	360km
New:	514-542km	401km	375km

ENERGY

	Gross	Net (Nominal)	Usable
Current:	75.7kWh	75.7kWh	72.3kWh
New:	78.8kWh	78.8kWh	75.3kWh

MEASUREMENTS

	Min	Max	Delta	Status
Battery Temperature	21.5°C	22.0°C	0.5°C	✓
Cell Voltage	3.700V	3.706V	6mV	✓
Pack Voltage	355.7V			
Average Current	-2.8A			

BMS

	Value	Status
BMS State of Charge (SoC)*:	40%	
SoC calculation accuracy:		✓
BMS State of Health (SoH)*:	95%	
SoH calculation accuracy:		✓

SENSORS

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