

INDEPENDENT BATTERY CERTIFICATE



CERTIFICATE NUMBER: D20B7E44-0A4B-4627-8972-2CAD35345CD6

VEHICLE

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

MILEAGE: 53,321 km
VIN: XP7YGCEK7RB257177
DATE AND TIME:
01.08.2025, 07:27:13

EXECUTED BY: Carla AB

RESULTS

STATE OF HEALTH (SOH)

95.0 %

ENERGY

75kWh | 79kWh



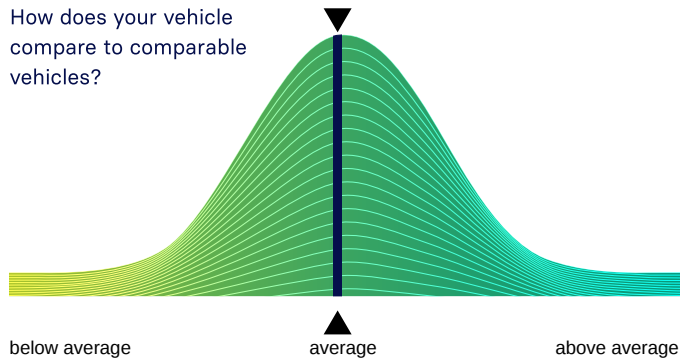
WLTP RANGE

515km | 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.

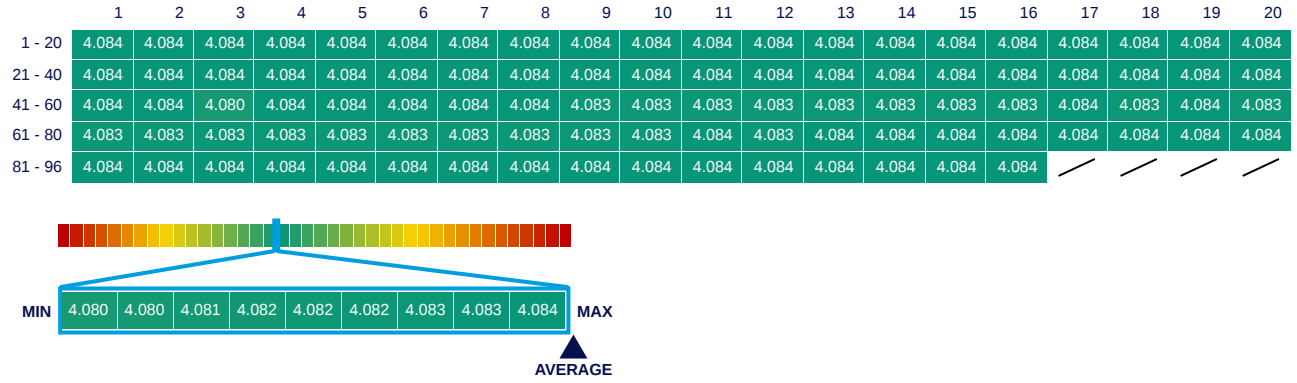
The drive battery is therefore officially AVILOO Certified.

Marcus Berger

Dr. Marcus Berger, CEO



CELL VOLTAGES DIAGRAM



EXECUTION PROTOCOL

AVILOO Box connected.		07:27:09
FLASH Test started.		✓
Vehicle detected.		✓
Starting data acquisition.		✓
Finished data acquisition.		✓
Analyzing data.		✓
Analysis completed.		✓

RANGE

	WLTP	Typical	Individual
Current:	489-515km	382km	345km
New:	514-542km	401km	363km

ENERGY

	Gross	Net (Nominal)	Usable
Current:	74.9kWh	74.9kWh	71.6kWh
New:	78.8kWh	78.8kWh	75.3kWh

MEASUREMENTS

	Min	Max	Delta	Status
Battery Temperature	27.5°C	27.5°C	0.0°C	✓
Cell Voltage	4.080V	4.084V	4mV	✓
Pack Voltage	392.0V			
Average Current	-2.3A			

BMS

	Value	Status
BMS State of Charge (SoC)*:	89%	
SoC calculation accuracy:		✓
BMS State of Health (SoH)*:	93%	
SoH calculation accuracy:		✓

SENSORS

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