

INDEPENDENT BATTERY CERTIFICATE



CERTIFICATE NUMBER: BBEEE415-E3DD-41FE-B02F-6FBD0ED61D83

VEHICLE

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

MILEAGE: 49,566 km
VIN: XP7YGCEL1RB252338
DATE AND TIME:
17.09.2025, 14:14:08

EXECUTED BY: Carla AB

RESULTS

STATE OF HEALTH (SOH)

96.7 %

ENERGY

76kWh | 79kWh



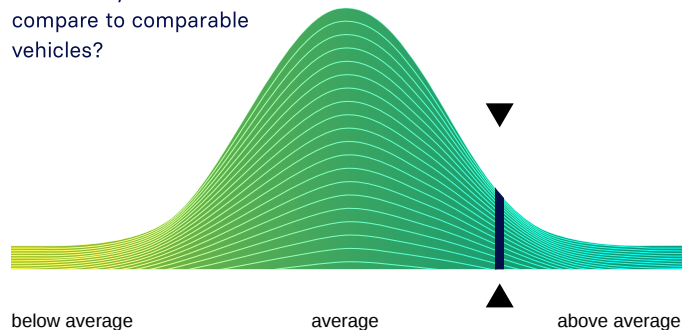
WLTP RANGE

524km | 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.

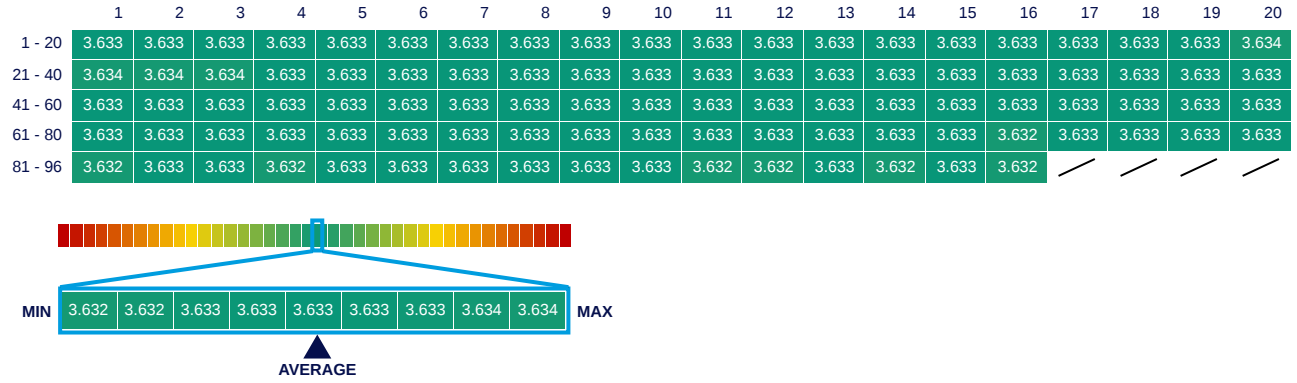
The drive battery is therefore officially AVILOO Certified.

Marcus Berger

Dr. Marcus Berger, CEO



CELL VOLTAGES DIAGRAM



EXECUTION PROTOCOL

AVILOO Box connected.	14:14:05
FLASH Test started.	✓
Vehicle detected.	✓
Starting data acquisition.	✓
Finished data acquisition.	✓
Analyzing data.	✓
Analysis completed.	✓

RANGE

WLTP	Typical	Individual
Current: 497-524km	388km	341km
New: 514-542km	401km	353km

ENERGY

Gross	Net (Nominal)	Usable
Current: 76.2kWh	76.2kWh	72.8kWh
New: 78.8kWh	78.8kWh	75.3kWh

MEASUREMENTS

	Min	Max	Delta	Status
Battery Temperature	22.0°C	22.5°C	0.5°C	✓
Cell Voltage	3.632V	3.634V	2mV	✓
Pack Voltage	348.4V			
Average Current	-2.8A			

BMS

	Value	Status
BMS State of Charge (SoC)*:	29%	
SoC calculation accuracy:		✓
BMS State of Health (SoH)*:	97%	
SoH calculation accuracy:		✓

SENSORS

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