

INDEPENDENT BATTERY CERTIFICATE



CERTIFICATE NUMBER: 3C2B40F3-913C-405F-AA6F-31B0C1D8FD88

VEHICLE

BRAND: Tesla
MODEL: Model 3 - 82,1 kWh

MILEAGE: 67,135 km
VIN: 5YJ3E7EB9KF456178
DATE AND TIME:
23/04/2026, 16:29

EXECUTED BY: AAA Auto

RESULTS

Independent
STATE OF HEALTH (SOH)

90.6 %

ENERGY

71kWh | 78kWh



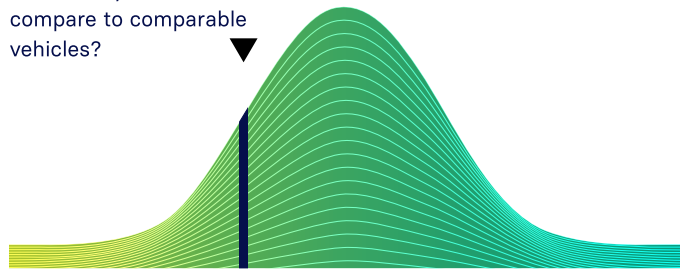
WLTP RANGE

556km | 614km

RATING

BENCHMARKING

How does your vehicle
compare to comparable
vehicles?



below average

average

above average

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.

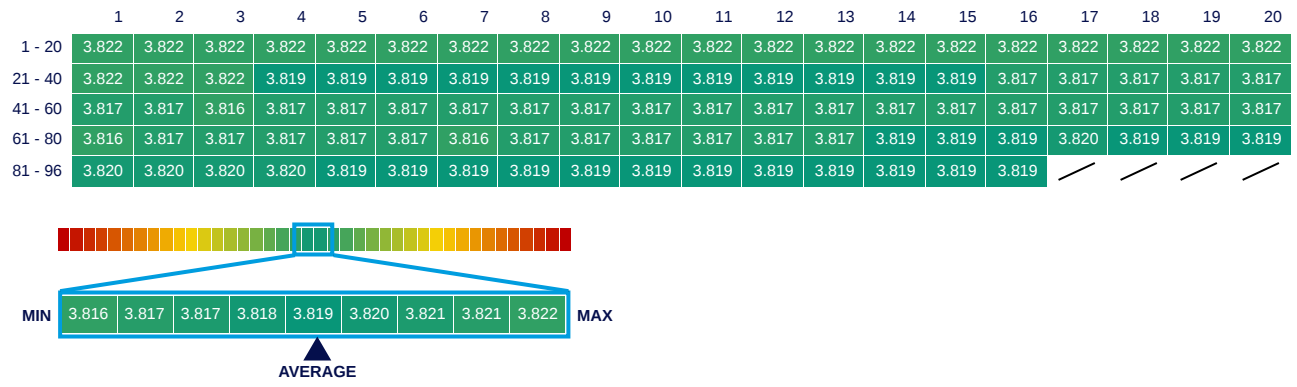
Marcus Berger

Dr. Marcus Berger, CEO



3C2B40F3-913C-405F-AA6F-31B0C1D8FD88

CELL VOLTAGES DIAGRAM



EXECUTION PROTOCOL

AVILOO Box connected.		16:29:43
FLASH Test started.		✓
Vehicle detected.		✓
Starting data acquisition.		✓
Finished data acquisition.		✓
Analyzing data.		✓
Analysis completed.		✓

RANGE

	WLTP	Typical	Individual
Current:	495-556km	397km	716km
New:	547-614km	438km	790km

ENERGY

	Gross	Net (Nominal)	Usable
Current:	74.4kWh	70.6kWh	66.3kWh
New:	82.1kWh	77.9kWh	73.2kWh

MEASUREMENTS

	Min	Max	Delta	Status
Battery Temperature	20.0°C	21.0°C	1.0°C	✓
Cell Voltage	3.816V	3.822V	6mV	✓
Pack Voltage	366.3V			
Average Current	-2.9A			

BMS

	Value	Status
BMS State of Charge (SoC)*:	52%	
SoC calculation accuracy:		✓
BMS State of Health (SoH)*:	84%	
SoH calculation accuracy:		✓

SENSORS

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

*The values shown here were read directly from the vehicle's battery management system (BMS) and are calculated and provided by the vehicle manufacturer. The State of Health (SoH) displayed corresponds to the value reported by the BMS and is CARA-certified.

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.