

INDEPENDENT BATTERY CERTIFICATE



CERTIFICATE NUMBER: D1F7B0D8-5CC8-456D-AE14-9A1DEED3212A

VEHICLE

BRAND: Volkswagen
MODEL: ID4 - 77 kWh

MILEAGE: 68,356 km
VIN: WVGZZZE2ZPE011205
DATE AND TIME:
15.09.2025, 13:27:44

EXECUTED BY: Carla AB

RESULTS

STATE OF HEALTH (SOH)

92.5 %

ENERGY

71kWh | 77kWh



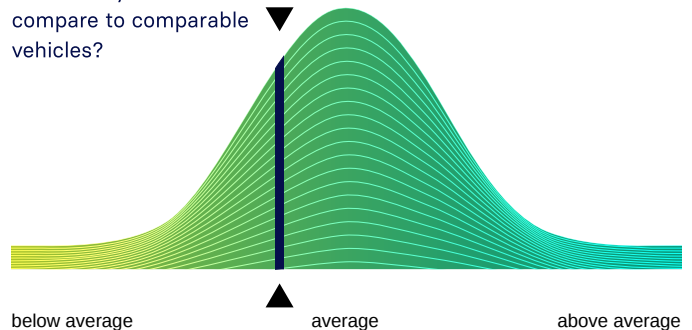
WLTP RANGE

506km | 547km

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

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.

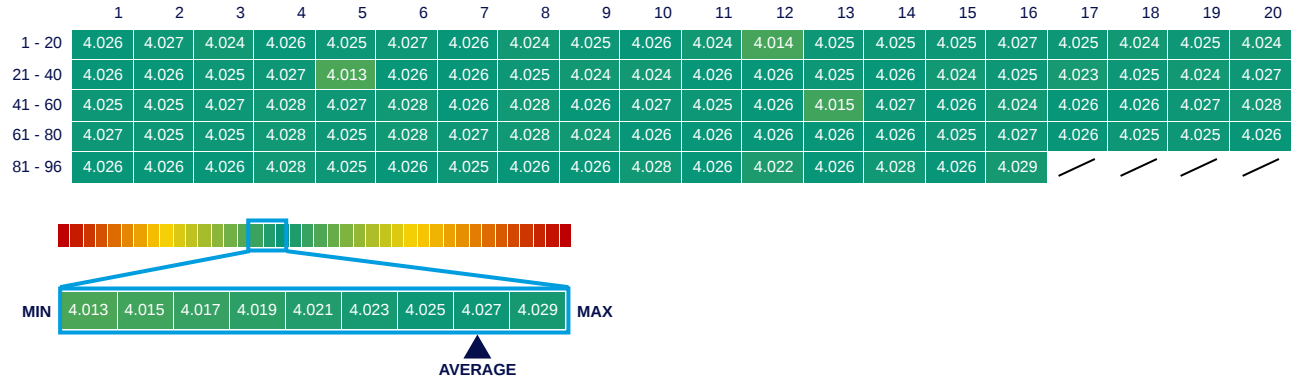
Marcus Berger

Dr. Marcus Berger, CEO



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CELL VOLTAGES DIAGRAM



EXECUTION PROTOCOL

AVILOO Box connected.	13:27:40
FLASH Test started.	✓
Vehicle detected.	✓
Starting data acquisition.	✓
Finished data acquisition.	✓
Analyzing data.	✓
Analysis completed.	✓

RANGE

	WLTP	Typical	Individual
Current:	426-506km	362km	359km
New:	461-547km	391km	388km

ENERGY

	Gross	Net (Nominal)	Usable
Current:	75.8kWh	71.2kWh	68.4kWh
New:	82.0kWh	77.0kWh	74.0kWh

MEASUREMENTS

	Min	Max	Delta	Status
Battery Temperature	22.5°C	23.1°C	0.6°C	✓
Cell Voltage	4.013V	4.029V	16mV	✓
Pack Voltage	386.4V			
Average Current	-2.4A			

BMS

	Value	Status
BMS State of Charge (SoC)*:	86%	
SoC calculation accuracy:		✓
BMS State of Health (SoH)*:	90%	
SoH calculation accuracy:		✓

SENSORS

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