

INDEPENDENT BATTERY CERTIFICATE



CERTIFICATE NUMBER: ECBDD1CC-2231-40EA-A57A-AABF3AF13332

VEHICLE

BRAND: Volvo
MODEL: XC40 Recharge - 69 kWh

MILEAGE: 89,795 km
VIN: YV1XZEFV8P2980493
DATE AND TIME:
02.10.2025, 10:17:41

EXECUTED BY: Carla AB

RESULTS

STATE OF HEALTH (SOH)

91.1 %

ENERGY

61kWh | 67kWh



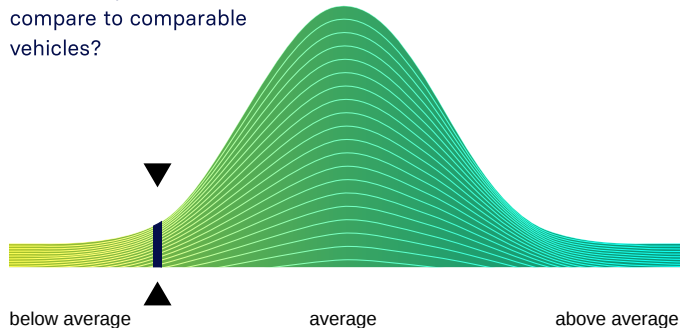
WLTP RANGE

435km | 477km

RATING

BENCHMARKING

How does your vehicle compare to comparable vehicles?



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



CELL VOLTAGES DIAGRAM



EXECUTION PROTOCOL

AVILOO Box connected.	10:17:37
FLASH Test started.	✓
Vehicle detected.	✓
Starting data acquisition.	✓
Finished data acquisition.	✓
Analyzing data.	✓
Analysis completed.	✓

RANGE

	WLTP	Typical	Individual
Current:	385-435km	307km	291km
New:	423-477km	337km	319km

ENERGY

	Gross	Net (Nominal)	Usable
Current:	62.9kWh	61.0kWh	58.6kWh
New:	69.0kWh	67.0kWh	64.3kWh

MEASUREMENTS

	Min	Max	Delta	Status
Battery Temperature	16.1°C	16.9°C	0.8°C	✓
Cell Voltage	4.043V	4.067V	24mV	✓
Pack Voltage	389.9V			
Average Current	-2.0A			

BMS

	Value	Status
BMS State of Charge (SoC)*:	77%	
SoC calculation accuracy:		✓
BMS State of Health (SoH)*:	87%	
SoH calculation accuracy:		✓

SENSORS

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