INDEPENDENT

BATTERY CERTIFICATE

AVILOO
BATTERY DIAGNOSTICS

CERTIFICATE NUMBER: BA3BA294-D7A8-4FAE-B025-22876305F086

VEHICLE

BRAND: Tesla
MODEL: Model 3 - 78,8 kWh

MILEAGE: 49,121 km
VIN: LRW3E7EK9PC785559
DATE AND TIME:
30.06.2025, 10:05:05

EXECUTED BY: AURES Holdings

RESULTS

STATE OF HEALTH (SOH)

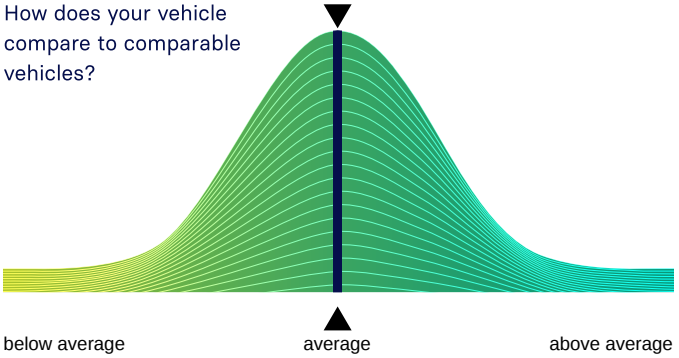
95.1 %

ENERGY 75kWh | 79kWh

WLTP RANGE 584km | 614km

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

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.

Dr. Marcus Berger, CEO

CARA Approved Battery Health Check

BATTERY IS TESTED AND AVILOO CERTIFIED

AVILOO CERTIFIED

ENERGY

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

RANGE

	WLTP	Typical
Current:	584-584km	444km
New:	614-614km	467km

EXECUTION PROTOCOL

AVILOO Box connected. **10:05:01**

- FLASH Test started. ✓
- Starting data acquisition. ✓
- Vehicle detected. ✓
- Finished data acquisition. ✓

SENSORS

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

BMS

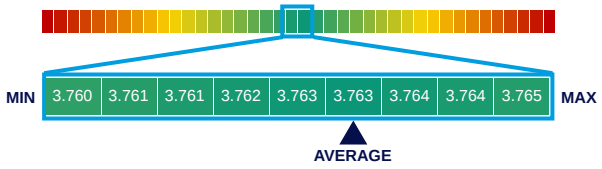
	Value	Status
BMS State of Charge (SoC)*:	45%	
SoC calculation accuracy:		✓
BMS State of Health (SoH)*:	95%	
SoH calculation accuracy:		✓

MEASUREMENTS

	Min	Max	Delta	Status
Battery Temperature	19.5°C	20.0°C	0.5°C	✓
Cell Voltage	3.760V	3.765V	5mV	✓
Pack Voltage	361.4V			
Average Current	-2.6A			

CELL VOLTAGES DIAGRAM

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1 - 20	3.763	3.763	3.763	3.764	3.764	3.763	3.763	3.764	3.764	3.765	3.765	3.763	3.763	3.763	3.763	3.763	3.763	3.763	3.763	3.763
21 - 40	3.763	3.763	3.763	3.762	3.761	3.760	3.762	3.761	3.761	3.760	3.761	3.762	3.762	3.762	3.762	3.763	3.763	3.763	3.763	3.763
41 - 60	3.763	3.763	3.763	3.763	3.763	3.763	3.763	3.763	3.763	3.763	3.763	3.763	3.763	3.763	3.763	3.763	3.763	3.763	3.764	3.764
61 - 80	3.762	3.762	3.762	3.762	3.761	3.761	3.762	3.762	3.762	3.762	3.762	3.762	3.762	3.762	3.762	3.762	3.762	3.762	3.762	3.762
81 - 96	3.762	3.762	3.762	3.762	3.763	3.763	3.763	3.763	3.763	3.763	3.762	3.762	3.762	3.762	3.762	3.762				



*The values shown here were not calculated by AVILOO but correspond to the values read out from the battery management system (BMS) and were calculated by the manufacturer. AVILOO therefore assumes no liability for their accuracy.

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 AVILOOs 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 Managament 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.

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