

# INDEPENDENT BATTERY CERTIFICATE



CERTIFICATE NUMBER: 0138DCDB-12EF-4205-92E5-5DB39BFEF368

## VEHICLE

**BRAND:** Tesla  
**MODEL:** Model Y - 60,5 kWh

**MILEAGE:** 35,300 km  
**VIN:** LRWYHCFS1RC466034  
**DATE AND TIME:**  
19/06/2026, 14:59

**EXECUTED BY:** Carma

## RESULTS

Independent  
**STATE OF HEALTH (SOH)**

# 96.1 %

**ENERGY** 58kWh | 61kWh

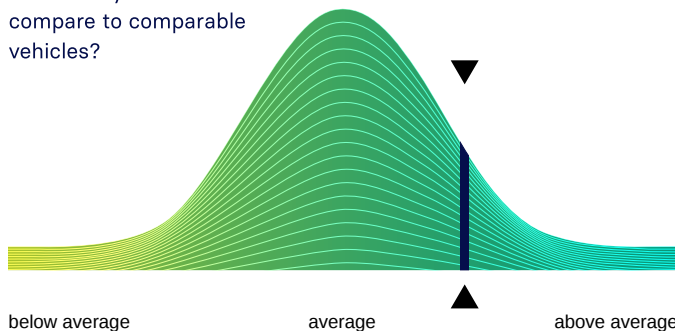


**WLTP RANGE** 480km | 500km

## 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



**ENERGY**

	Gross	Net (Nominal)	Usable
Current:	58.1kWh	58.1kWh	55.4kWh
New:	60.5kWh	60.5kWh	57.7kWh

**RANGE**

	WLTP	Typical	Individual
Current:	437-480km	332km	339km
New:	455-500km	345km	353km

**EXECUTION PROTOCOL**

<b>AVILOO Box connected.</b>	<b>14:59:39</b>
FLASH Test started.	✓
Vehicle detected.	✓
Starting data acquisition.	✓
Finished data acquisition.	✓
Analyzing data.	✓
Analysis completed.	✓

**SENSORS**

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

**BMS**

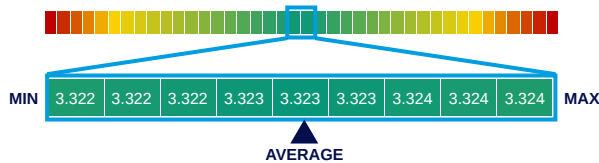
	Value	Status
BMS State of Charge (SoC)*:	94%	
SoC calculation accuracy:		✓
BMS State of Health (SoH)*:	96%	
SoH calculation accuracy:		✓

**MEASUREMENTS**

	Min	Max	Delta	Status
Battery Temperature	20.0°C	20.5°C	0.5°C	✓
Cell Voltage	3.322V	3.324V	2mV	✓
Pack Voltage	358.7V			
Average Current	-1.9A			

**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	3.322	3.323	3.322	3.322	3.323	3.323	3.323	3.323	3.323	3.322	3.323	3.322	3.323	3.323	3.323	3.323	3.323	3.323	3.323	3.323
21 - 40	3.323	3.323	3.323	3.323	3.323	3.323	3.323	3.323	3.323	3.323	3.323	3.323	3.323	3.323	3.322	3.322	3.323	3.323	3.323	3.323
41 - 60	3.323	3.323	3.324	3.323	3.323	3.323	3.323	3.323	3.323	3.323	3.323	3.323	3.323	3.323	3.323	3.323	3.323	3.323	3.323	3.323
61 - 80	3.323	3.323	3.323	3.323	3.323	3.323	3.323	3.323	3.323	3.323	3.323	3.323	3.323	3.323	3.323	3.323	3.323	3.323	3.323	3.323
81 - 100	3.323	3.323	3.323	3.323	3.323	3.323	3.323	3.323	3.323	3.323	3.323	3.323	3.323	3.323	3.323	3.323	3.323	3.323	3.323	3.323
101 - 108	3.323	3.323	3.323	3.323	3.323	3.323	3.323	3.323	/	/	/	/	/	/	/	/	/	/	/	/



\*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.