INDEPENDENT

BATTERY CERTIFICATE

AVILOO
BATTERY DIAGNOSTICS

CERTIFICATE NUMBER: [redacted]

VEHICLE

BRAND: Nissan
MODEL: Leaf ZE0 - 30 kWh

MILEAGE: 81,574 km
VIN: [redacted]
DATE AND TIME:
13.01.2026, 08:25:26

EXECUTED BY: [redacted]

RESULTS

STATE OF HEALTH (SOH)

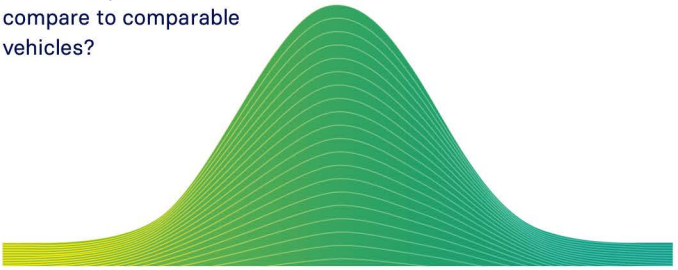
!

ENERGY - kWh | 29kWh

WLTP RANGE - | 200km

RATING

BENCHMARKING
How does your vehicle compare to comparable vehicles?



below average | average | above average

CHECKS

Battery Management System (BMS)	✓
Battery Sensor	✓
Battery Measurements - safety risk detected	!
Battery Cell Voltages	✓
Vehicle Communication	✓

SCAN FOR DETAILS

EVALUATION

SAFETY RISK! - POTENTIAL SAFETY HAZARD

During the detailed battery diagnosis with the AVILOO FLASH Test, safety concerning anomalies were detected that require immediate inspection. For Details scan the QR code.

For assistance, please contact AVILOO Customer Management.

Dr. Marcus Berger, CEO

CARA Approved Battery Health Check

ENERGY

	Gross	Net (Nominal)	Usable
Current:			
New:	30.0kWh	28.5kWh	27.0kWh

RANGE

	WLTP	Typical
Current:		
New:	200-200km	180km

EXECUTION PROTOCOL

AVILOO Box connected. **08:25:22**

- 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

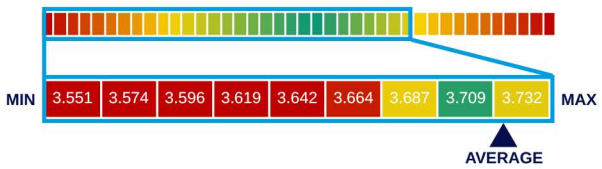
	Value	Status
BMS State of Charge (SoC)*:	22%	
SoC calculation accuracy:		✓
BMS State of Health (SoH)*:	78%	
SoH calculation accuracy:		✓

MEASUREMENTS

	Min	Max	Delta	Status
Battery Temperature	4.0°C	5.0°C	1.0°C	✓
Cell Voltage	3.551V	3.732V	181mV	!
Pack Voltage	356.1V			
Average Current	-9.4A			

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	3.723	3.719	3.708	3.713	3.551	3.708	3.712	3.707	3.703	3.701	3.698	3.703	3.703	3.692	3.696	3.695	3.704	3.700	3.701	3.702
21 - 40	3.695	3.698	3.709	3.700	3.705	3.699	3.690	3.695	3.700	3.695	3.694	3.700	3.699	3.699	3.698	3.702	3.705	3.702	3.703	3.706
41 - 60	3.705	3.701	3.700	3.704	3.699	3.705	3.701	3.701	3.723	3.721	3.714	3.722	3.726	3.723	3.732	3.727	3.718	3.714	3.712	3.713
61 - 80	3.726	3.724	3.715	3.723	3.719	3.718	3.719	3.721	3.722	3.720	3.714	3.715	3.718	3.714	3.710	3.712	3.719	3.714	3.727	3.724
81 - 96	3.718	3.720	3.721	3.721	3.728	3.718	3.719	3.717	3.729	3.732	3.725	3.721	3.724	3.722	3.717	3.720				



MESSAGES

It has been determined that there is a discrepancy between the highest and lowest charged cells, as illustrated in the cell voltage table above. This indicates an issue with battery balancing. Please take your vehicle to a workshop or contact AVILOO Customer Management for further assistance.

*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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