

INDEPENDENT
BATTERY
CERTIFICATE



CERTIFICATE NUMBER: AV-IL-00/KLMO/24/230

VEHICLE

BRAND: Volkswagen
MODEL: Polestar Model2 Long
Range Dual Motor Performance -
78 kWh

MILEAGE: 40,100 km
VIN: WVGZXXXXXXXXXX
DATE AND TIME:
07.08.2023, 15:59:54

EXECUTED BY: Uudenkaupungin huolto-
keskus Oy / Uudenkaupungin TB-huolto
Oy
TESTER: Maximilian Mustermann

RESULTS

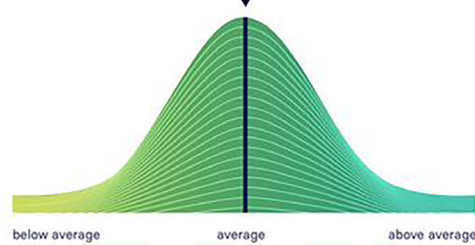
מצב בריאות הסוללה (SOH)

94,5%

ENERGY 34,6kWh | 45,9kWh
WLTP RANGE 340km | 380km

RATING

השוואת ביצועים (BENCHMARKING)
השוואה לביצועים של רכבים דומים BIG DATA



BATTERY CHECKS



מערכת ניהול הסוללה - BMS
חיישן סוללה
תקינות פרמטרים של מארז הסוללה
תקינות מתחים של תאי הסוללה
תקינות תקשורת לרכב



SCAN FOR DETAILS

EVALUATION

מצב הסוללה: תקין וללא חריגות או זיהוי של ליקויי בטיחות

בהתבסס על אבחון הסוללה המפורט שבוצע באמצעות AVILOO BOX.
אנו מאשרים בזאת כי הסוללה של רכב זה במצב טוב.
סוללה זאת מאושרת AVILOO CERTIFIED.

Dr. Marcus Berger

Dr. Marcus Berger, CEO



ENERGY

	Gross	Net (Nominal)	Usable
Current:	34,6kWh	34,6kWh	34,6kWh
New:	45,9kWh	45,9kWh	45,9kWh

RANGE

	WLTP	Typical	Personal
Current:	340km	340km	340km
New:	380km	380km	380km

EXECUTION PROTOCOL

AVILOO Box connected	15:59:54
FLASH Test started	☒
Fahrzeug erkannt	☒
Starting data acquisition	☒
Finished data acquisition	☒
Analyzing data	☒
Analysis completed	☒

SENSORS

Voltage Sensor	☒
Current Sensor	☒
Temperatur Sensors	☒
Cell Voltage Sensors	☒

BMS

	Value	Status
State of Charge (SoC) accuracy:	50%	☒
State of Health (SoH) accuracy:	90%	☒

MEASUREMENTS

	Min	Max	Delta	Status
Battery Temperatur:	23°C	25°C	2°C	☒
Cell Voltage:	4,115V	4,123V	8mV	☒
Pack Voltage:	340.4V			
Average Current:	-4.0A			

CELL VOLTAGES DIAGRAM

#	1-10	11-20	21-30	31-40	41-50	51-60	61-70	71-80	81-90	91-100	101-110	111-120	121-130	131-140	141-150	151-160	161-170	171-180	181-190	191-198
1	4,115	4,115	4,116	4,116	4,115	4,115	4,116	4,116	4,116	4,116	4,116	4,123	4,117	4,115	4,118	4,116	4,115	4,118	4,116	4,116
2	4,116	4,117	4,116	4,118	4,115	4,118	4,116	4,117	4,115	4,115	4,115	4,115	4,116	4,117	4,118	4,117	4,117	4,118	4,117	4,117
3	4,115	4,115	4,118	4,116	4,116	4,116	4,116	4,115	4,115	4,115	4,115	4,115	4,117	4,117	4,115	4,117	4,117	4,115	4,117	4,117
4	4,116	4,116	4,116	4,115	4,116	4,116	4,115	4,117	4,118	4,117	4,119	4,118	4,117	4,117	4,118	4,115	4,117	4,118	4,116	4,118
5	4,115	4,115	4,118	4,115	4,115	4,115	4,115	4,119	4,117	4,119	4,118	4,115	4,117	4,117	4,115	4,119	4,117	4,115	4,119	4,115
6	4,116	4,116	4,116	4,118	4,115	4,115	4,115	4,118	4,118	4,118	4,117	4,116	4,116	4,117	4,117	4,117	4,117	4,117	4,117	4,116
7	4,116	4,116	4,116	4,116	4,116	4,116	4,116	4,116	4,116	4,117	4,118	4,116	4,116	4,118	4,117	4,116	4,119	4,117	4,116	4,116
8	4,117	4,116	4,118	4,117	4,118	4,116	4,118	4,116	4,118	4,120	4,117	4,116	4,117	4,116	4,118	4,117	4,116	4,118	4,117	4,117
9	4,116	4,118	4,117	4,116	4,120	4,117	4,116	4,117	4,118	4,117	4,118	4,116	4,116	4,118	4,117	4,116	4,118	4,117	4,116	4,116
10	4,117	4,116	4,118	4,117	4,118	4,122	4,122	4,117	4,118	4,120	4,117	4,117	4,117	4,116	4,118	4,117	4,116	4,118	4,117	4,117
MIN	4,115	4,116	4,117	4,118	4,119	4,120	4,121	4,122	4,123											
AVERAGE																				
MAX																				

Error Messages

(תיבה זו תופיע רק במקרה שזוהתה חריגה או סיכון בטיחותי במהלך הבדיקה.
במקרה כזה יוצגו כאן פרטים נוספים אודות התקלה או הליקוי הבטיחותי.)

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.