



BATTERY DIAGNOSTICS

TheVRA AGM AVILOO Introduction

connect to detect.

About us

10,000+

battery tests

2018

founded

40

employees

10 Mio. EUR

total funding



BATTERY DIAGNOSTICS

**FIRST MOVER AS
PROVIDER OF AN
INDEPENDENT
BATTERY TEST**

**MISSION:
SUSTAINABILITY
THROUGH BATTERY
DATA ANALYSIS!**

**VISION:
SAFETY & CLARITY
THROUGH BATTERY
DATA ANALYSIS!**

**INDEPENDENT
EXACT
RELIABLE
&
TÜV CERTIFIED**

**PRODUCTS:
PREMIUM TEST
FLASH TEST
MONITORING
FIELD DATA**



Mercedes-Benz



ARVAL
BNP PARIBAS GROUP

VOLKSWAGEN

GROUP RETAIL DEUTSCHLAND



HYUNDAI



Arplus⁺



Cox
AUTOMOTIVE™

THREE BUSINESS AREAS



AVILOO BATTERY TEST

- Cross manufacturer
 - Independent
 - Reliable
-
- **PREMIUM Test**
 - **FLASH Test**



AVILOO FIELD DATA

- Extensive & high quality
- Real field data
- Via AVILOO Cloud



AVILOO MONITORING

- 24/7
- Fully automated data analyses
- Stationary, maritime Batteries

Depth of Analysis

FLASH Test

FLASH TEST REPORT

Execution
State of charge: 58 %
Date: 20/11/2023 07:43:19
Executed by: Cx

Vehicle
Brand: Tesla
Model: Model Y - 76.8 kWh
VIN: LRMW
Mileage: 17,382 km

Analysis Result

AVILOO SCORE **97**

High voltage battery usage and history
Analysis of charging & driving behavior: 68 / 70

High voltage battery performance
Analysis of cell voltages and module temperatures: 29 / 30

High voltage battery control unit
Check of signals and calculations of the battery management control unit: ✓

Vehicle communication interface
Check of communication via the diagnostic interface: ✓

Dr. Wolfgang Berger MSc, Managing Director
Dr. Nikolas Meyerhofer, Managing Director
Dr. Marcus Berger, COO/CTO and Partner

CARA
Automotive Battery Health Check

PREMIUM Test

BATTERIEZERTIFIKAT

Datum: 25.06.2022
Durchgeführt von: AVILOO

Fahrzeuginformationen
Marke: Tesla
Modell: Model S - 85
Baujahr: 2018
FIN: 5Y5SA3H17EPF00000

Analyseergebnisse
Tatsächlich nutzbare Energie (100% - 0): 64.65 kWh
Nutzbare Energie Neuzustand: 75.5 kWh
Verbleibende Reichweite (WLTP): 383 km
Elektrische Reichweite Neuzustand (WLTP): 447 km

Messdaten:

	Start	Ende
Ladezustand Display	99.85 %	0.45 %
Modulktemperatur min.	28 °C	46 °C
Modulktemperatur max.	28 °C	46 °C
Zellschwingung max.	4.18 V	5.17 V
Zellschwingung min.	4.30 V	5.26 V
Kilometerstand	181.242 km	181.548 km

Dr. Wolfgang Berger MSc, AVILOO Gründer und Geschäftsführer
Dr. Nikolas Meyerhofer, AVILOO Gründer und technischer Direktor
Dr. Marcus Berger, AVILOO Partner, Leiter Finanz

TÜV

Time & Effort for the Test

- Ultra fast Battery Check (3 Minutes)
- No driving required
- No charging required
- Battery analysis on cell defects
- Batter History analysed with BIG DATA
- Independent Battery Report with AVILOO Score




FLASH TEST REPORT

Execution	58 %	Vehicle	
State of charge		Brand	Tesla
Date	20/11/2023 07:43:19	Model	Model Y - 78,8 kWh
Executed by	Ca	VIN	LRWY
		Mileage	17,382 km

Analysis Result

AVILOO SCORE

97 / 100

High voltage battery usage and history	68 / 70
Analysis of charging & driving behavior	
High voltage battery performance	29 / 30
Analysis of cell voltages and module temperatures.	
High voltage battery control unit	✓
Check of signals and calculations of the battery management control unit.	
Vehicle communication interface	✓
Check of communication via the diagnostic interface.	


 DI Wolfgang Berger MBA
 Managing director


 DI Nikolaus Mayerhofer
 Managing director


 Dr. Marcus Berger
 COO/CFO and Partner







FLASH TEST REPORT

Execution	100 %	Vehicle	
State of charge		Brand	Tesla
Date	08/04/2023 3:38:22 PM	Model	Model 3 - 60,5 kWh
Executed by	---	VIN	LRW3
		Mileage	13,208 km

Analysis Result

AVILOO SCORE

!

High voltage battery usage and history	61 / 70
Analysis of charging & driving behavior	
High voltage battery performance	! / 30
WARNING: Analysis of cell voltages and module temperatures failed. For details see page 2.	
High voltage battery control unit	✓
Check of signals and calculations of the battery management control unit.	
Vehicle communication interface	✓
Check of communication via the diagnostic interface.	


 DI Wolfgang Berger MBA
 Managing director


 DI Nikolaus Mayerhofer
 Managing director

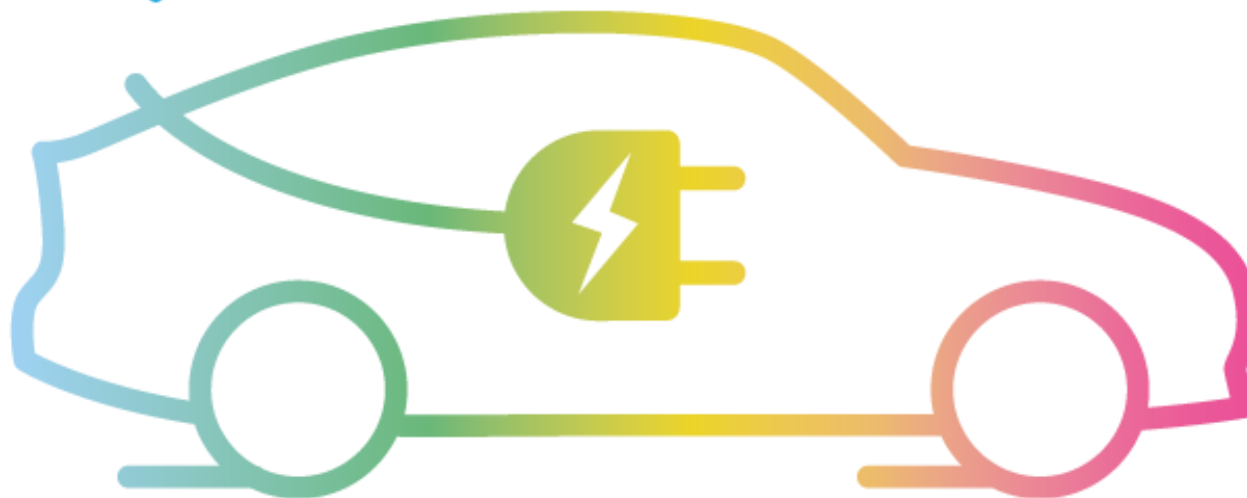


ADVANTAGES AND BENEFITS

- Independent High Voltage Battery Check
- Transparent Result
- Creates trust with the customers
- Leads to a higher reselling value
- Harmonised across OEMs
- Large model coverage (+90%)
- TÜV and CARA Certified



LONG LIVE
YOUR BATTERY!



AVILOO.COM