

## Fact Sheet DEKRA Battery Test for Electric Cars



### Know an EV Battery's State of Health in Just Minutes

Our **Battery Test for Electric Cars** looks beneath the surface and offers a transparent evaluation of a used EV battery's capacity, performance and value.

#### High-Voltage Battery State of Health From Independent Experts

As electromobility experts, we know that the battery is the primary marker of an electric vehicle's and plug-in hybrid's value. Inefficient driving, extreme temperatures and the number of charging cycles can diminish its capacity. **Get an accurate and independent picture** of your used electric car battery's State of Health (SoH) with our Battery Test for Electric Cars.

#### Web-Based Solution Provides Results in 15 Minutes

Covering a large number of electric car models from different manufacturers, our battery test report provides neutral, objective and independent results via e-mail that you can rely on when using, buying and selling used electric cars.

#### Benefits of the DEKRA Battery Test for Electric Cars



##### Fast

The analysis of the battery State of Health of an electric car only takes 15 minutes and offers an excellent time/accuracy ratio thanks to our comprehensive database and patented algorithm.



##### Transparent

The simple, transparent test process of connect – accelerate – report determines the remaining battery capacity with immediate test results provided via e-mail.



##### Independent

The unique, verifiable and patented test is independent, based on real-time data collected during the test and does not rely manufacturer data or information from the seller.

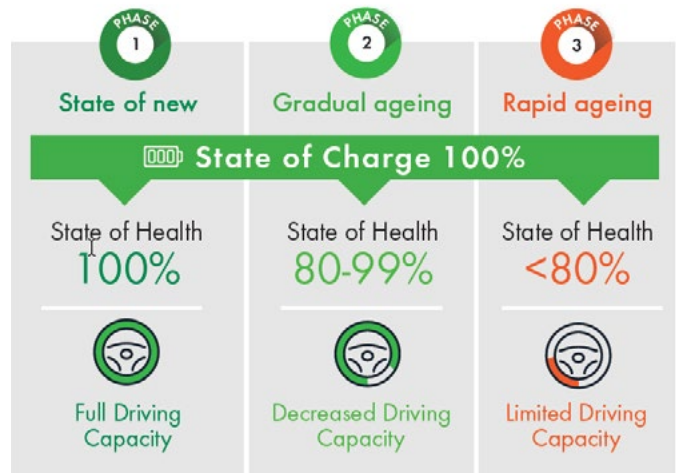


## Why Is a Battery's State of Health Important?

**Just like a smartphone's battery loses capacity after some time, so does an electric car's battery.**

Throughout its lifetime, a hybrid or electric car's battery goes through different phases of ageing. In phase one, it is brand-new, at full capacity and, therefore, the optimum State of Health. In phase two, it gradually ages and loses capacity. Once an EV battery's remaining capacity has reached 80%, it enters phase three and its State of Health will deteriorate more rapidly. Whether you already own an EV or plan on buying one, it's vital to know about the battery's State of Health in order to be able to use it as efficiently as possible for as long as possible.

The DEKRA Battery Test for Electric Cars looks beneath the surface for you.



When a car is brand-new, at full capacity and fully charged, you can expect to have the maximum range available. When the State of Health gradually decreases, the State of Charge can still be at 100%, the remaining capacity – and thereby the available range – will be lower.

### Patented and Sophisticated Technology for Battery Tests

DEKRA's Battery Test for Electric Cars and its **patented algorithm** has been validated by the prestigious **RWTH Aachen University**. The test is sophisticated, fast and precise, with the added benefit of providing an independent and objective assessment of the residual battery capacity of these electric cars. This helps promote transparency and trust surrounding used EV sales.

**Are you interested in our Battery Test for Electric Cars or do you have any questions? Get in touch with our electromobility experts now.**

#### DEKRA SE

Handwerkstrasse 15  
70565 Stuttgart  
Germany  
phone: +49.711.78 61-0  
info@dekra.com  
[www.dekra.com](http://www.dekra.com)



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