



# Battery Testing & Certification

Batteries must meet the highest standards of safety, performance and lifetime. VDE Renewables provides comprehensive electrical, mechanical, environmental and abuse tests in its VDE Battery Labs.

We offer tailored services for your needs and support you with testing and certification.

[www.vde.com/battery-testing](http://www.vde.com/battery-testing)

**VDE** RENEWABLES

# Battery Testing & Certification

VDE operates multiple state-of-the-art labs world-wide, providing unique testing capabilities. Our engineers have many years of experience and a deep understanding of battery testing and technology. We support you over the entire battery development process until certification of your product.

Our ISO/IEC 17025 accredited test laboratories use modern test equipment to guarantee precise and reliable measurement data. Our unique selling points include more than 130 test channels with voltages up to 1,000 V and currents up to 2,000 A, vibration and shock test systems with maximum loads of up to 1,000 kg with superimposed climate chambers as well as walk-in chambers with a volume of more than 43 m<sup>3</sup>.

We also test according to your individual specifications and set a special focus on performance and abuse tests. Moreover, we offer comprehensive guidance on the development of test specifications with the customer. We test to national and international regulations and standards and guide in the assignment of applicable standards for market access world-wide.

Our certifications are issued by our own globally recognized VDE certification authority.

VDE's services cover the following areas and standards, among others:

## **Power Tools and Consumer Products**

- UN 38.3
- IEC 60086-4
- IEC 62133
- UL 2054 Screening

## **Automotive and LEV**

- UN 38.3
- DIN EN 50604-1
- IEC 12405-4
- AK-LH 5.21

## **Stationary Energy Storage Systems**

- UN 38.3
- IEC 62619 and IEC 62620
- VDE AR 2510-50
- BVES Safety Guideline

Take advantage of VDE's expertise and the comprehensive test capabilities in its battery labs to bring your product to market safely and in time.

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Please visit us online for more information



[www.vde.com/battery-testing](http://www.vde.com/battery-testing)  
[renewables@vde.com](mailto:renewables@vde.com)