



Battery certification and testing

The new [Regulation \(EU\) 2023/1542](#) imposes high requirements on manufacturers of batteries and accumulators, and TÜV Rheinland's experts have been supporting them in meeting these requirements for many years.

This support includes both laboratory testing according to specific standards, verification of product labelling and comprehensive product certification. The final step in the certification process for batteries and accumulators is the marking of the product with the [internationally recognised TÜV Rheinland quality mark](#), which confirms our comprehensive verification of production processes and continuous product monitoring in terms of safety and quality.

Importantly, with the introduction of the new Batteries and Accumulators Directive, [manufacturers are required to calculate the carbon footprint of their production](#). This is therefore becoming a key element of our everyday environmental performance

MEETING LEGAL REQUIREMENTS

TÜV Rheinland's experts help battery and rechargeable battery manufacturers to ensure that their products fulfil the high market standards. Our laboratory tests are conducted in accordance with current regulations and standards, including Regulation (EU) 2023/1542 on CE marking of batteries, which has been applicable since 18 February 2024.

DIRECTIVES IN THE CERTIFICATION PROCESS

- ROHS (2011/65/UE)
- REACH (1907/2006/WE)
- 2000/53/WE
- WEEE (2012/19/UE)
- 2014/30/UE

TESTING AND CERTIFICATION STANDARDS

- PN-EN 62133-1
- PN-EN 62133-2
- PN-EN IEC 62619
- PN-EN 60086-2
- PN-EN 60086-3
- PN-EN 60086-5
- PN-EN 50342-1
- PN-EN 61960-3
- PN-EN 61951-1
- PN-EN 61951-2
- UN 38.3
- PN-EN IEC 62281:2019-08
- PN-EN 60079-11
- PN-EN 50604-1:2017-02
- PN-EN 60896-21/22

QUALITY MARK THAT MAKES DIFFERENCE

The mark is both proof of the high quality of the product and confirmation that the manufacturing processes monitored by TÜV Rheinland Polska experts. It is visible at the first glance. The TÜV Rheinland quality and safety mark is recognised both nationally and internationally. It is more than just a symbol - it is a guarantee of high quality. The QR code provides full information on the certification programme.

WHY IS IT WORTH CERTIFYING?

- External, independent testing and quality assurance
- Clear decision-making support for customers
- Guarantee of safe use, thus reducing the risk of failures and accidents
- Certification provides consumers with confidence in the quality and performance of batteries, which in turn increases confidence in products on the market
- Conscious choice of eco-friendly products reduces our impact on the environment. Together, we can have a real impact on the future of our planet.

SCOPE OF TÜV RHEINLAND'S SAFETY AND LEGALITY ASSURANCE SERVICES

- Product type approval according to the relevant standards and directives
- Product certification: testing and issuing of certificates of conformity
- EMC tests
- Chemical tests
- Functional safety
- Inspection during shipment or receipt of raw materials (on request)
- Calculation of carbon footprint
- Assistance in the preparation of battery passports and declarations of conformity

TYPES OF PRODUCTS TESTED

- Secondary (alkaline) cells and batteries
- Primary batteries
- Lead-acid batteries
- Lithium-ion batteries and accumulators
- Nickel-cadmium batteries
- Ni-MH batteries and accumulators
- Recycled battery dust



Safety
Functionality
Quality



www.tuv.com
ID 0000000888

OPEN TO NEW MARKETS

Increasing market requirements mean that confirmation of product quality and safety by an independent certification body, such as TÜV Rheinland Poland, is becoming increasingly important. Conformity marks, which indicate that a product fulfils these requirements, are often the deciding factor in consumers' choice of a product, thus opening the door for manufacturers to enter new markets.

Wojciech Szot

Product Certification Specialist
TÜV Rheinland Polska Sp. z o.o.
Biznes Park Wielicka
ul. Wielicka 250, 30-663 Kraków
M: +48 693 409 994
wojciech.szot@tuv.com
www.tuv.pl

 **TÜVRheinland®**
Precisely Right.