

Battery and charging stations



On the safe side.

Demonstrating safety and reliability

As a manufacturer of cells and battery packs you want to be sure that your products are safe and reliable and that they meet the required technical specifications – from initial evaluation through to large-scale manufacturing. Equally, you need to demonstrate this to the relevant authorities and to your customers.

Our services

At DEKRA we offer a wide range of test and inspection services to manufacturers of primary and secondary cells and battery packs. These services, which help battery and other electrical product manufacturers improve quality, can substantially reduce risks.

DEKRA's state of the art global network of laboratories serves customers throughout the world and can test to IEC, EN and UN standards. We test all common dry cell chemistries (lithium, NiMH, NiCd, carbon-zinc and alkaline) as well as battery packs.

We regularly test batteries for key electrical parameters such as voltage, effective charging and safe charging behaviour. These tests include charging and discharging the batteries at excessively high currents (abuse testing). We can also test mechanical properties such as the dimensions and dimensional changes of batteries and their resistance to mechanical impact. Finally, we offer environmental testing, in which we study how a battery is affected by the shocks, vibration, temperature and changes which it will encounter in a range of anticipated operating environments.

Some of our services:

- > CB certification
- > KEMA-KEUR certification
- > DEKRA Seal certification
- > CE
- > CTIA certification
- > Type testing
- > Test certification for transport of dangerous goods (UN/DOT .3)
- > Safety
- > EMC
- > Performance/endurance testing
- > Environmental testing
- > RoHS, REACH & other forms of chemical testing
- > Manufacturer on-site testing/Modular Test Program (CTF)
- > Guidance/training
- > Retail services (TCF, CC, etc.)
- > Battery capacity labelling
- > Export Support Services (Japan, Korea and North America)
- > Batteries to be used in potentially explosive atmospheres (IEC 60079-11).



You can commission us to carry out just some of these tests or the whole range. In this way we can perfectly complement your own in-house test laboratory.

Your products

- > Primary (non-rechargeable) cells/batteries
- > Secondary (rechargeable) Li-Ion, Li-Polymer, Ni-Cd,
- > Ni-MH cells/batteries
- > LEV (Light EV) cells/batteries

Your benefits

Our expertise of all aspects of batteries and their applications can help you develop better, safer and more competitive products. Working with us means you have a single supplier for testing and certification services during product development and production, thus saving time and costs. We have a local presence in key manufacturing centres around the world, so the chances are you can do business with us in your own language. And once your products reach the market, you will benefit from the confidence which DEKRA testing inspires. DEKRA gives you access to a wide range of testing and safety services in more than 50 countries around the world.

About DEKRA

DEKRA has been active in the field of safety for more than 90 years and is one of the world's leading expert organizations in testing, inspection and certification. Our qualified and independent experts work for safety on the road, at work and at home. Among other things, they test and certify consumer, industrial, automotive and ICT products, as well as medical devices and products used in explosive atmospheres for worldwide markets. Our smart combination of safety and connectivity testing gives you the edge in a world where products need to work with everything else. It's what makes DEKRA your partner for a safe connected world.

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