

The kiwa logo features the word "kiwa" in a bold, blue, sans-serif font. To the right of the text is a stylized red and white bird-like icon with its head turned back.

kiwa

Vehicle-to-Grid

Testing and certification services
for grid integration



kiwa.com/de

Vehicle-to-Grid (V2G)

In the future, electric vehicles will serve as temporary battery storage units, making them an active part of the grid and must comply with the future grid code standards.

We support you in the worldwide testing and approval of your charging infrastructure as well as in the smooth integration into the power grid. Our fully accredited laboratory tests, among others, on-board/off-board chargers (AC/DC charging stations), DC/DC converters as well as wallboxes and car charging stations to ensure smooth approval.

✓ WHY KIWA PRIMARA?

- DAkkS / ilac accredited testing laboratory
- Certificates of conformity to national & international standards
- Bi-directional DC power supply up to 1500 V and 150 kW
- Bi-directional AC power supply up to 630 Vac and 135 kW
- Provision of cooling liquid between -40 °C and +60 °C
- Fully variable CAN bus system with up to 4 channels
- Environmental simulation tests
- Many years of experience in grid-parallel self-generation systems and battery storage systems
- Global market access
- Large international network with many additional testing possibilities



✓ WORLDWIDE GRID CODE CERTIFICATIONS:

- VDE-AR-N 4105, VDE 0124-100 Germany
- VDE-AR-N 4110, TR3, TR4, TR8 Germany
- VDE-AR-N 4120, TR3, TR4, TR8 Germany
- VDE-AR-N 4130, TR3, TR4, TR8 Germany
- VDE V 0126-1-1, VDE FNN Germany
- EN 50549-1, EN 50549-2, EN 50549-10 Europe
- IEC 61727, IEC 62116 International
- CEI 0-21, CEI 0-16 Italy
- G98, G99 UK
- AS 4777.2 Australia
- C10/11 Belgium, Netherlands
- OVE Directive R 25, TOR Producer Austria
- UTE C15-712-1, XP C15-712-3, Enedis-PRO-RES_10E, XP C15-712-3 France
- UNE 217001, UNE 217002, UNE 206007-1, NTS Spanien
- RD647, TED/749 Spain
- VJV2018 Finland
- NA/EEA-NE7 Switzerland
- Portaria n.º 73 Portugal
- Grid Connection Code for RPPs in South Africa South Africa
- PPDS Czech Republic
- UL 1741 USA
- ABNT NBR 16149, ABNT NBR 16150 Brazil
- NTCO, Norma Técnica de Conexión y Operación Chile
- Nam Power Namibia
- Technical Regulation 3.3.1 & 3.3.2 Denmark
- Guide for connection of power-generating plants to grid - Type A, B, C, D Denmark
- Statnett 15/00250-12 Norway
- EIFS Sweden
- 20210426_zasady-wykorzysta_certyfikatow Poland
- Wymogi ogólnego stosowania Poland



Contact us for a non-binding offer.

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