Lilongwe battery testing

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With the growing demand for electrified systems and products, the battery has become increasingly important. As a result, the demands placed on this critical vehicle component have increased dramatically. To ensure that batteries deliver optimal performance over the longest possible lifetime while meeting strict safety standards, we have developed the AVL Battery TS(TM) End Of Line. From modules to battery packs, this test system enables battery testing in production. The system covers Conformity of Product (CoP) and Quality Assurance testing.

With AVL PUMA 2(TM) Production, the user can quickly and easily adapt the user interface and the test procedures to his tasks and needs without any programming knowledge. The automation includes a mechanism to check, compare and log any changes.

EOL test systems support multiple batteries to optimize footprint and energy consumption. Batteries can be tested independently for easy maintenance and flexibility on the production line.

Why develop the most powerful battery if you can"t guarantee its quality and durability? At AVL, our mission is to cover the entire development process, from R& D to EOL, with efficient and reliable tools you can rely on."

Based on years of experience in research and development, as well as production, we have developed AVL E-Axle TS(TM) Production. It provides End of Line (EOL) and Conformity of Production (COP) testing for electric drive applications, from passenger cars to high performance vehicles, as well as industrial applications.

AVL List GmbH has appointed Matthias Dank as new board member and Executive Vice President (EVP). The top manager with international experience was previously at McLaren Applied, where he was Director of Motorsport.

AVL RACETECH, the motorsport department of AVL, presents the prototype of an innovative H2 internal combustion engine. The power unit is a compact, hydrogen-powered 2-liter turbo engine, with intelligent water injection, which achieves a totally new performance level. The first racing engine that AVL RACETECH is developing and building in-house.

The Chair of Production Engineering of E-Mobility Components (PEM) of RWTH Aachen University and T?V Rheinland have published a guide on "Battery Testing in Accordance With UN Regulation No. 100 Revision 3". Available as a free download in German and English, the 16-page document explains the various test methods for avoiding different hazards that can be posed by traction batteries of electric vehicles.

In detail, the current guideline deals with electrical, mechanical, environmental, and abuse tests. It sheds light on the avoidance of risk factors such as external short circuits, overcharging, and deep discharging of a battery as well as overcurrent protection, vibration resistance, mechanical shocks and mechanical integrity, thermal shocks and overtemperature as well as fire resistance and thermal propagation.

The "Battery Testing in Accordance with UN Regulation No. 100 Rev. 3" guide developed in collaboration with T?V Rheinland's Battery Testing Center is available as a free download (see "Battery" section).

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Web: https://www.hollanddutchtours.nl/contact-us/
Email: energystorage2000@gmail.com
WhatsApp: 8613816583346