

ZOOM

FOCUS ON TECHNOLOGY



PRODUCT COMPARISON

DAILY Batteries.

A full burst of energy.



in collaboration with  DEKRA

Genuine Parts
HIGH PERFORMANCE

How They are made.

Unique features of IVECO Genuine Batteries for the new DAILY:

3DX grids

Designed for lower electrical resistance, higher mechanical performance.

Battery plugs

Specially designed to enable proper degassing and avoid acid leakage. It improves resistance to vibrations and the engine's high temperature.

Smart fit

Suitable for installation under the driver's seat inside the chassis.

Carbon additives

Unique solution to improve charge acceptance and reduce charging times.

Added value.

IVECO Genuine Batteries are ideal for frequent stops and short journeys, and for use at extreme temperatures. The new product provides more starting power than conventional batteries on the market and is equipped with Start&Stop technology, which is crucial to ensure:

- Total compliance with environmental regulations for reducing CO₂ emissions
- Longer life and better control of the battery

In addition to this, all IVECO Genuine Batteries are equipped with an RFID device under the label to improve:

- The logistics process through step-by-step traceability of the battery's charge
- Battery diagnostics



How they are tested.

IVECO Battery comparative tests.

IVECO DAILY original batteries were tested along with two competitors with different quality levels by the independent German test institute DEKRA.

All tests were carried out in DEKRA's network of laboratories, according to Standard EN 50342-1:2015 and EN 62109-1 in order to assess the essential functional characteristics of lead-acid batteries.

The main purpose of the tests was to compare batteries under the most like-for-like conditions possible. A comprehensive series of tests was performed, including resistance to vibrations and temperature sessions.

The tests were conducted with a special focus on 3 different parameters: **Safety, Performance** and **Durability**.



About DEKRA.

DEKRA has been active in the field of safety for more than 90 years. Founded in 1925 in Berlin as Deutscher Kraftfahrzeug-Überwachungs-Verein e.V. (German Motor Vehicle Inspection Association), today it is one of the world's leading expert organizations.



The results.

IVECO Genuine Batteries, best in class

Test results showed that IVECO Genuine Batteries offer outstanding performance in the following key areas:

Safety

High resistance to impacts and vibrations

Performance

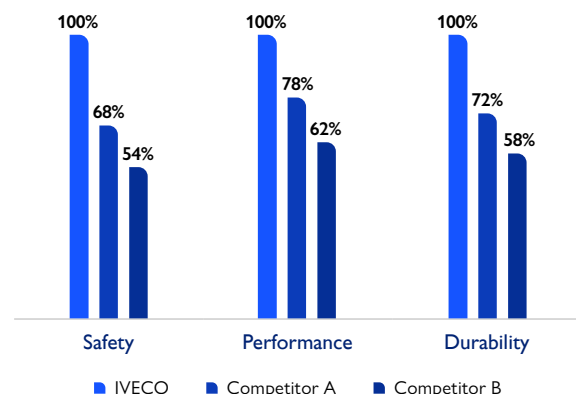
Maximum energy in all weather and operating conditions

Durability

Longer life

TCO

IVECO Genuine Batteries are also an optimal investment in terms of Value for Money



Safety.

Resistance to drops, vibrations and performance at low temperature: safety first.

Batteries are the heart of the vehicle's electrical system and they are vital for the vehicle to function. However, they contain some chemical components that might harm both drivers and workers. A safe battery, not only allows the vehicle to be started in all weather conditions, but it also ensures that no chemical material is spilled during handling and operation. Laboratory tests carried out by DEKRA reproduced extreme conditions to evaluate the battery's safety performance.



Drop resistance



DEKRA tested the resistance of the battery case against impacts and drops. While a competitor collapsed, the IVECO Genuine Battery resisted both stresses with no damage. Since IVECO Genuine Battery cases are designed to ensure high impact resistance, thanks to their thickness and an accurate selection of plastic materials.



Vibration resistance



Vibration resistance ensures that batteries do not display any chemical leakage during demanding vehicle operations. Batteries were tested according to the EN norm with:

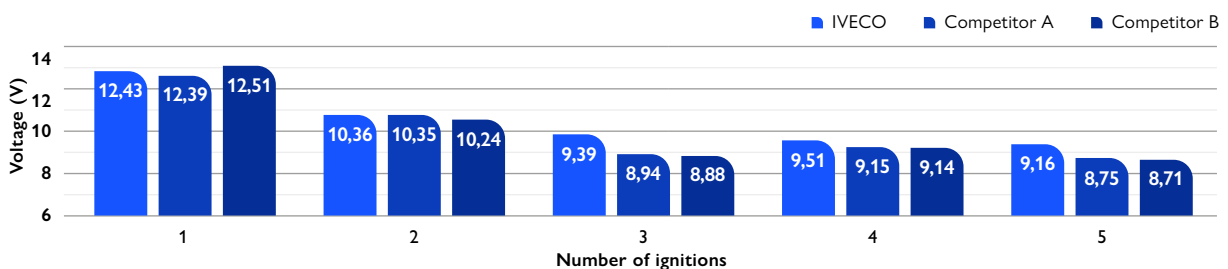
- Maximum acceleration: 60 (m/s²)
- Frequency: 30 Hz

Tests showed that IVECO Genuine Batteries have a higher resistance to vibrations.

Numerous ignitions at low temperature



Ensuring the driver's safety means having a battery that works properly at low temperatures. DEKRA performed a series of ignitions according to the EN norm, with the battery stored at -18 °C. At the end of the test, the IVECO Genuine Battery had kept the highest voltage value.



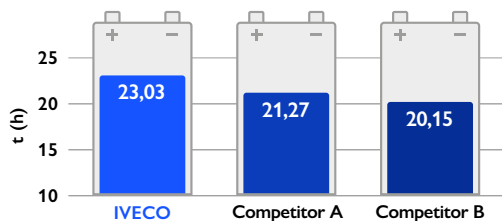
DEKRA TESTS DEMONSTRATED THAT IVECO IS THE BEST IN TERMS OF SAFETY, OFFERING MAXIMUM RESISTANCE TO IMPACTS AND VIBRATIONS, AND ENSURING IGNITION AT LOW TEMPERATURES.

Performance.

Duration, initial level of charge and performance: energy in all situations.

Modern vehicles are equipped with multiple energy-consuming electronic devices, which put batteries under pressure, especially at the start. High-performance batteries reassure drivers, as they maximize working times and reduce unexpected stops, even in the harshest weather conditions.

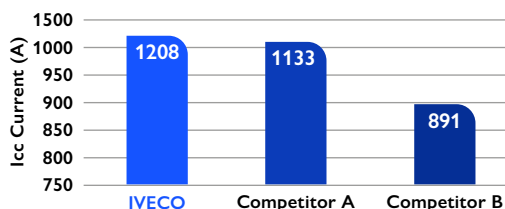
Laboratory tests carried out by DEKRA evaluated the battery's performance, by reproducing all types of conditions that must be faced during the vehicle's operating life.



Time needed for full discharge

DEKRA monitored the status of new batteries and the time needed to be fully discharged.

The IVECO Genuine Battery supplied energy up to 14% longer than the competition.

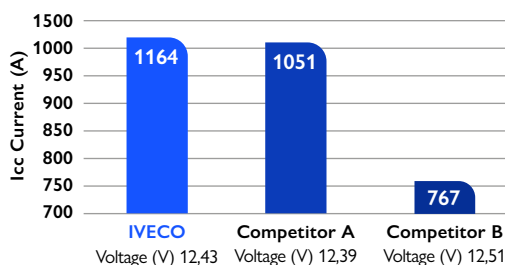


Initial charge level

Batteries are ready-to-use and they must provide the highest level of energy from day 1.

A high initial charge level is fundamental to ensure a longer battery life during vehicle tasks that require multiple starts and stops.

The IVECO Genuine Battery had the highest voltage, measured on a new battery fresh out of its packaging.



Properties at high temperatures

High temperatures are detrimental a battery's ong-term performance.

DEKRA monitored the performance of each tested battery, after continually exposing them to a high temperature for 21 days, according to the EN norm. At the end of the test, the IVECO Genuine Battery showed the highest power value.

Voltage is related to staring capacity; while Icc is related to battery durability.



DEKRA TESTS SHOWED THAT, EVEN AT HIGH TEMPERATURES, IVECO GENUINE BATTERIES ENSURE SUPERIOR PERFORMANCE ALLOWING ENHANCED PROFITABILITY.

Durability.

Water level, multiple on & off turnings, and energy supply: never-ending power.

Climate and usage conditions affect the duration of a battery's life.

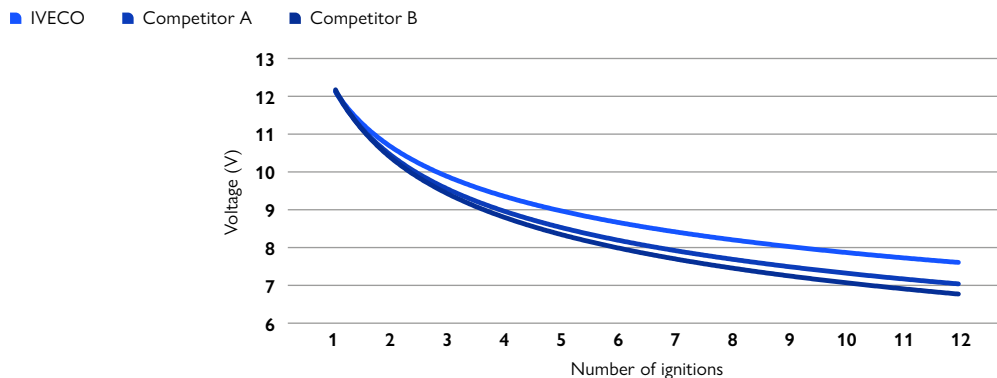
Among the most detrimental causes impacting a battery's durability are: warm or cold weather, long vehicle stops, multiple turning on and off.

The laboratory tests carried out by DEKRA reproduced different climate and usage conditions to evaluate the battery's durability.



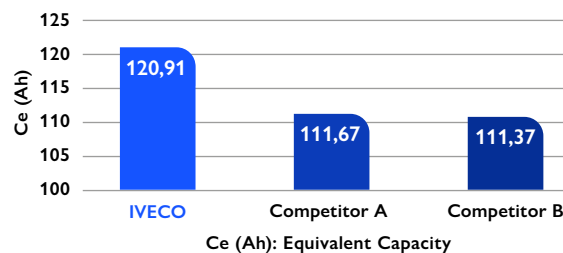
Multiple starts and stops

Turning a vehicle on and off multiple times reduces the duration of a battery's life. DEKRA performed a series of ignitions at extreme temperatures, to simulate the worst-case scenario. At the end of the test, the results showed that the IVECO Genuine Battery had kept the highest performance.



Energy supplied during a full discharge

DEKRA tested the energy provided by the batteries during a full discharge. The IVECO Genuine Battery ranked as a top performer, as it supplied a quantity of energy significantly higher than many other competitors.



DURING DEKRA TESTS, IVECO GENUINE BATTERIES PROVED TO BE EQUIPPED WITH THE RIGHT FEATURES TO ENSURE LONGER DURABILITY IN ALL CONDITIONS.

Total Cost of Ownership.

Long-lasting quality and little need for replacement: the key to cost optimization.

IVECO Genuine Batteries are built and tested to last over time, keeping the vehicle up & running and minimizing the risk of unplanned stops.

Their proven quality and high-performance standards are the main drivers for maximum durability and a reduced need for replacement which, in turn, allows for substantial optimization of the vehicle's Total Cost of Ownership.

Overall, this makes IVECO products a perfect sustainable choice in terms of costs and lower impact on the environment, while guaranteeing outstanding performance.



IVECO GENUINE BATTERIES OFFER A PERFECT BALANCE BETWEEN PERFORMANCE AND COST SUSTAINABILITY, MAKING THEM THE BEST INVESTMENT IN TERMS OF TCO OVER TIME.

IVECO

Drive the road of change

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