

State-of-the-art battery solutions for continuous use under the toughest conditions Banner batteries for the highest demands in the commercial vehicle sector

In the commercial vehicle segment, the starter and on-board power supply batteries from the Banner Buffalo Bull product range impress with maximum operational reliability even under extreme conditions. This is due to features such as increased vibration resistance, optimised current dissipation and a comprehensive safety concept.

Leonding, 04.03.2025. In the commercial vehicle field a wide variety of battery types and technologies are employed, which are specifically designed to meet the special needs of long-distance trucks, buses and modern distribution vehicles. However, as Andreas Bawart, Banner's Commercial CEO, points out, "Although in recent years, our Buffalo Bull product range has established itself as a reliable partner in this area, the demands made upon modern truck batteries have continued to evolve." Consequently, apart from increased cyclical stability and extreme vibration resistance for integral rear installation, due to a growing number of comfort functions, optimised cold-start performance and higher energy requirements are now also of key importance. Powerful energy systems are therefore a prerequisite for not only the reliable supply of energy to all the additional consumers, including the so-called hotel functions, but also the equal certainty of an assured engine start.

Powerful battery solutions for differing requirements

The Buffalo Bull series offers a wide range of battery types for a diversity of applications. For example, even in the case of integral rear installation, the Buffalo Bull AGM battery, which was specially developed for long-distance trucks and coaches with the highest energy requirements, stands out owing to its robust design, three times the cyclical stability of conventional batteries and outstanding vibration resistance. When employed as a starter battery, Banner's top product impresses with maximum power for both starting and a convenient on-board supply. As a result, sufficient energy is constantly available even when the air conditioning, auxiliary heating, refrigerator and entertainment are in intensive use. Furthermore, the Buffalo Bull AGM battery is also utilised purely as a service battery for on-board power supply in highly electrified, premium class commercial vehicles.

The maintenance-free Buffalo Bull EFB battery catches the eye with increased cyclical stability, robust and secure pack fixation and optimised active mass formulation. It is therefore ideally suited to meeting the demands of long-distance trucks and coaches with high energy requirements.

Buffalo Bull SHD / SHD PRO batteries have been developed for modern distribution trucks and buses and provide additional cyclical and vibration resistance. Calcium technology and central degassing guarantee minimal water consumption, while maximum safety is provided by innovative features such as short-circuit protection and ESD plugs.

The Buffalo Bull high-current battery represents an optimised solution for vehicles that require increased cold-start current, for example during hydraulic unit operations. A combination of high vibration resistance, calcium technology and innovative safety components means that the battery impresses even under extreme load conditions. Accordingly, the Buffalo Bull is seen as possessing reliable brand quality and serves as a supplementary variant for niche applications in agricultural machinery or special commercial vehicles.

Battery tips for long service life

Owing to their advanced technology, the correct handling of truck batteries is essential. Consequently, whether for frequent short journeys during distribution transport, stop-and-go operation, or the intensive use of additional electrical consumers in long-distance vehicles, regular battery checks and periodic external equalisation charging are recommended. Moreover, other important measures include the examination of the electrolyte level before charging. If topping up is required demineralised or distilled water should be used, although in the case of AGM batteries this is unnecessary. It is also advisable to charge the battery actively using a suitable device such as a Banner Accucharger PRO 25A. This prevents sulphation and maintains the battery capacity even during longer downtime periods. Furthermore, apart from those in the truck, modern displays provide information about charge and power consumption levels in order that countermeasures can be taken at an early stage prior to critical values being reached. Banner's experts also stress that battery capacity is reduced when temperatures drop sharply and hence they recommend the careful handling of electrical appliances, especially in the living mode. Targeted recharging can ensure reliable operation.

Current branch-related challenges and solutions

In view of the intensive discussions regarding e-trucks and the related uncertainties in the field of battery technology, the Banner Buffalo Bull range is deliberately focused on proven, maintenance-free lead battery solutions in the shape of the Buffalo Bull AGM and EFB batteries. These products not only offer maximum safety and reliability for existing vehicle technologies, but also function in the low-temperature range below 0° Celsius without a heating function or monitoring electronics. The dual use of AGM technology as either a starter battery or as a service battery for the on-board power supply also enables commercial vehicle manufacturers to provide economic and resource-saving energy solutions in hybrid and e-trucks. Moreover, with their extended service life and maintenance-free operation, Banner Buffalo Bull batteries help to reduce operating expense and ensure sustainable, economical fleet management. This adds up to a range of advantages, which in view of current economic conditions and the fact that haulage companies are under enormous cost pressure are of special significance.

The bottom line

As Andreas Bawart concludes, “With our extensive range of Buffalo Bull batteries, we can meet the highest demands in the commercial vehicle sector, both today and tomorrow.” This is because owing to the adaptation of AGM technology to commercial vehicle batteries, Banner is also able to offer solutions for future energy storage requirements in hybrid and e-trucks.

Captions:

Photo 1: The Banner Buffalo Bull product range

Additional photographic material is available from the downloadcenter under

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Banner at a glance

Two operative business units, Automotive and Energy Solutions, constitute the cornerstones of the Banner Group, which has been producing batteries for all types of vehicles since 1937. The Automotive business unit has an extensive product portfolio, which includes starter, vehicle electrical system and leisure batteries for both the original equipment (OE) and aftermarket (IAM) sectors. As a rule, these products are developed and manufactured at the group headquarters and production plant in Leonding (Austria). Conversely, the Energy Solutions business unit, which is located in Thalheim near Wels (Austria), specialises in the further development of products for the traction, semi-traction and standby segments. The owner-managed company, which is headed by Andreas Bawart and Thomas Bawart, employs an 750-strong workforce across Europe. In thirteen European countries, dealer support is provided by the group's own sales companies, while in over 70 other countries in Europe, Africa and Asia, products are sold through direct importers. Future-oriented technology and outstanding quality underline the international reputation of the flagship products with "buffalo power" and this also characterises the Banner logo. Further information is available at bannerbatteries.com

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