

Media Information



Bosch batteries for Commercial Vehicles

Bosch has been developing battery technology for more than 90 years, starting with the production of motorcycle batteries in 1922 and moving on to manufacture and develop car batteries five years later. Today Bosch produces a range of batteries with double lid labyrinth design, making them maintenance-free and leak proof.

With long idle times, a large number of electrical components, and often extreme temperature conditions, commercial vehicle batteries are pushed to the limit. Bosch batteries ensure reliable power supply at all times and thanks to advanced technologies hold a long service life, saving fleet operators both time and money. There are four battery options available for commercial vehicles including the TE, T5, T4 and T3.

TE

The TE battery with Enhanced Flooded Battery technology (EFB) is perfect for extremely high starting power, providing a reliable supply for a large number of applications under potentially tough and straining conditions. Bosch's EFB technology uses a positive plate coated with a polyester scrim, which provides additional retention of the active material on the plate. The deep-cycle resistance is increased when compared to conventional batteries, allowing it to remain operational even under high vibration levels.

TE also uses mixing elements, which is unique to the TE battery, to prevent acid layering and to improve the mixing of the electrolyte, ensuring a longer service life and deep-cycle resistance. The labyrinth lid of Bosch commercial-vehicle batteries reliably returns condensed water into the battery. Gas generated during charging is safely removed by the integrated central degassing system. Backfire protection and an additional sealing ring ensure a high level of operating safety.

T5

The T5 battery provides maximum performance and cycle stability, especially for vehicles with a high energy demand and frequent discharge cycles.

The T5 Heavy Duty Extra is suitable for commercial vehicles which cover long-distances, operate a lifting platform, city buses and fire engines, the T5 Heavy Duty Extra range is for commercial vehicles with very high power requirements, and frequent discharge.

T4

The T4 battery supplies all running applications in commercial-vehicle operations that require a normal level of energy – even with the engine shut off or in case of frequent discharge.

The Bosch T5 and T4 batteries feature massive power reserves. The patented PowerFrame® technology facilitates optimum current flow and ensures an extraordinarily long service life. T5 and T4 batteries are absolutely maintenance-free. The labyrinth lid ensures a high level of operating safety. This saves fleet operators both time and money.

T3

The T3 battery provides uncompromising starting power – ideal for vehicles with low energy demand.

Providing the same market-leading technology and innovation as any Bosch product, the Bosch T3 range is suitable for all typical commercial vehicles, including construction site vehicles, and any others that have a standard amount of electrical components.

Bosch consistently shows an unwavering commitment to providing a unique combination of parts, diagnostics, workshop equipment and services to enable technicians to get the best possible service when using a Bosch part. They gain access to state-of-the-art solutions for efficient vehicle repairs, the world's largest range of new and remanufactured spare parts and expert customer care via the Bosch hotline.

ENDS

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In the UK, Bosch has been present since 1898, when Robert Bosch opened the company's first office outside Germany. Every one of the Bosch Group's business sectors has a presence in the UK: Automotive Technology, Industrial Technology, Consumer Goods, and Energy and Building Technology. Bosch operates in the UK as Robert Bosch Limited and employs around 5,300 associates across 41 sites. In 2014, Bosch generated revenues in the UK of 3.7 billion euros.

The Bosch Group is a leading global supplier of technology and services. It employs roughly 375,000 associates worldwide (as of December 31, 2015). The company generated sales of 70.6 billion euros in 2015. Its operations are divided into four business sectors: Mobility Solutions, Industrial Technology, Consumer Goods, and Energy and Building Technology. The Bosch Group comprises Robert Bosch GmbH and its roughly 440 subsidiaries and regional companies in some 60 countries. Including sales and service partners, Bosch's global manufacturing and sales network covers some 150 countries. The basis for the company's future growth is its innovative strength. Bosch employs 55,800 associates in research and development at 118 locations across the globe. The Bosch Group's strategic objective is to deliver innovations for a connected

life. Bosch improves quality of life worldwide with products and services that are innovative and spark enthusiasm. In short, Bosch creates technology that is *Invented for life.*

The company was set up in Stuttgart in 1886 by Robert Bosch (1861-1942) as Workshop for Precision Mechanics and Electrical Engineering. The special ownership structure of Robert Bosch GmbH guarantees the entrepreneurial freedom of the Bosch Group, making it possible for the company to plan over the long term and to undertake significant up-front investments in the safeguarding of its future. Ninety-two percent of the share capital of Robert Bosch GmbH is held by Robert Bosch Stiftung GmbH, a charitable foundation. The majority of voting rights are held by Robert Bosch Industrietreuhand KG, an industrial trust. The entrepreneurial ownership functions are carried out by the trust. The remaining shares are held by the Bosch family and by Robert Bosch GmbH. Additional information is available online at www.bosch.co.uk, [@BoschUK](https://www.facebook.com/BoschUK), www.facebook.com/BoschUK