



A real boost for your business: Batteries from Bosch



BOSCH

Invented for life

The right power for every application: The Bosch battery range

Modern vehicles are being fitted with more and more components that run on electricity. A high-performance, reliable power supply is essential. Bosch batteries can guarantee that. And now, thanks to the S6 AGM and S5 EFB batteries, they can also be installed in start/stop systems. The batteries are maintenance-free and meet the specific requirements of original equipment.



Bosch battery S6 with AGM technology: For passenger cars featuring start/stop systems and recuperation

- ▶ Longer service life and up to four times greater cycle resistance than conventional batteries
- ▶ Outstanding short distance tolerance
- ▶ Micro fiberglass mats to absorb the acid (AGM)
- ▶ Suitable for installation in any position, 100% leak-proof and tilt-resistant
- ▶ 100% maintenance-free

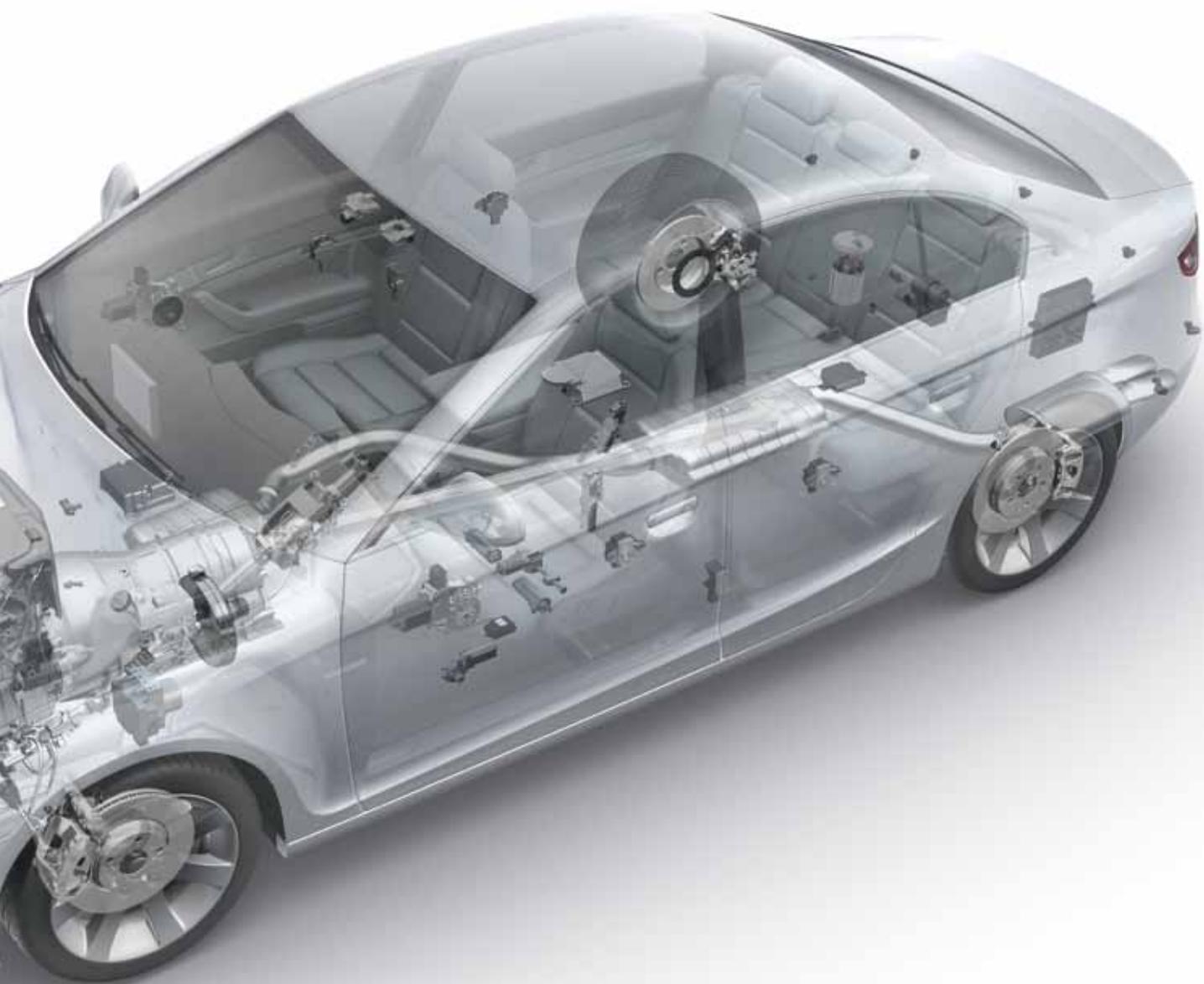
Bosch S3/S4/S5 batteries: For passenger cars

- ▶ Tailor-made range
- ▶ New PowerFrame® technology for a guaranteed long service life
- ▶ Up to 30% more cold starting power
- ▶ 100% maintenance-free
- ▶ High short distance tolerance
- ▶ Maximum reliability
- ▶ For around 97% of all vehicles
- ▶ For European and Asian vehicles



Bosch battery S5 with EFB technology: For passenger cars featuring start/stop systems

- ▶ Two times higher cycle resistance than conventional starter batteries
- ▶ With an additional polyester scrim material between the plate and separator (EFB)
- ▶ Highest short distance tolerance
- ▶ Leak-proof and tilt-resistant
- ▶ 100% maintenance-free



Bosch L4/L5/L6 batteries:

For leisure activities and lighting

Mobile power supply for a wide range of applications. Ideal for example for

- ▶ Motor homes, caravans
- ▶ Boats
- ▶ Signal systems, solar installations
- ▶ L6 batterie with AGM technology



Bosch T3/T4/T5 batteries:

For commercial vehicles

- ▶ 100% maintenance-free – saving costs for fleet owners
- ▶ For the harshest conditions
- ▶ With innovative silver alloy (T4, T5)
- ▶ Fewer types for optimum warehouse management
- ▶ Excellent starting power

Bosch M4/M6 batteries:

For motorcycles

- For more than 80% of all motorcycles, scooters and mopeds.
- ▶ Maintenance-free as per EN
 - ▶ Powerful start in all weather conditions
 - ▶ With acid pack
 - ▶ M6 batteries with AGM technology

Top performance right from the start: Passenger car batteries from Bosch



Bosch S6 with AGM technology: the technology for start/stop systems

It is not only the continued supply of electrical consumers in the frequent stop phases that uses up a lot of power, but also the associated restarting processes. Increased discharge depths and a high current consumption capacity to recover the braking energy are required. This calls for cycle-resistant batteries – like the Bosch S6 with AGM technology:

- ▶ Up to four times greater cycle resistance compared to conventional starter batteries
- ▶ Constant power even for short journeys, stop-start traffic and high consumption levels when idling
- ▶ Acid is completely bound in the micro fiberglass mats
- ▶ Suitable for installation in any position, 100% leak-proof and tilt-resistant
- ▶ 100% maintenance-free
- ▶ Original-equipment quality

The market is growing at a rapid rate

The number of newly produced vehicles in Europe with start/stop systems will rise rapidly in the future. This development places increased demands on a vehicle's battery. Greater performance is called for. The S5 EFB and S6 AGM batteries from Bosch provide a reliable power supply for vehicles featuring start/stop systems and a high number of electrical consumers.

S6 with AGM technology: Peak power for peak performance

AGM (absorbent glass mat) technology is the leading technology in the market and meets the most stringent requirements. It has impressive dynamic recharging capability. Additionally, the discharging/charging cycles are up to four times higher than for conventional starter batteries. This increase in discharging/charging cycles is a must for vehicles with start/stop systems with braking energy recuperation, but also for vehicles with a host of electrical convenience functions.

S5 with EFB technology: Full power across the entire breadth of the market

The performance of S5 EFB (enhanced flooded battery) technology from Bosch falls between the requirements imposed on a conventional starter battery and S6 AGM technology. It is ideally suited to modern vehicles featuring a start/stop system. Thanks to its high degree of cycle resistance, it can provide sufficient energy to restart the vehicle at any time. The high power density of the S5 EFB technology is also designed to meet the requirements of vehicles with a host of electrical consumers.

When servicing batteries in start/stop systems the following information must be observed:

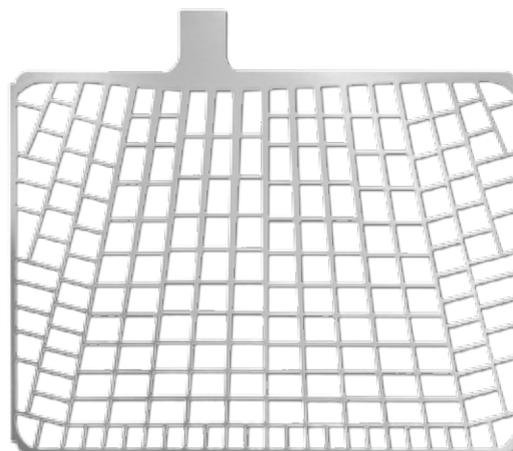
- ▶ Replace AGM with AGM
- ▶ Replace EFB with EFB or AGM
- ▶ Conventional lead-acid battery cannot be used
- ▶ Use of a Bosch KTS-series diagnostics tester is often required to register the battery newly installed on the control unit





Bosch S3/S4/S5 batteries with PowerFrame® technology

- ▶ Up to 30% longer service life
- ▶ Up to 30% more cold starting power
- ▶ 100% maintenance free, ready to install and start
- ▶ Carrying handles for ease of transportation and installation
- ▶ Short distance tolerance thanks to high current input
- ▶ Leak-proof labyrinth-type cover with backfire protection
- ▶ Also suitable for installation in the passenger compartment



Reduced corrosion, optimized power flow and longer service life with the patented stamped grid: PowerFrame®



Drivers impressed by Bosch batteries
 The readers of "auto motor und sport" magazine voted Bosch the best brand in the "Batteries" category.

Reliable power for everyone:

Bosch commercial vehicle batteries



Commercial vehicles need a great deal from their energy supply: Long downtimes and a large number of electrical consumers can drain a battery completely. The T3, T4 and T5 from Bosch are specifically designed to deal with this. These batteries are also maintenance-free, which means cost savings for fleet operators.

T3: Starting power with no compromises

Benefits of the basic type include:

- ▶ Reliable starting power
- ▶ Long service life

T4: More power right from the start

Designed for continuous applications with the engine switched off

- ▶ Copes with frequent charging and discharging
- ▶ Reliable power supply for all energy consumers

T5: Maximum power and cycle resistance

For extremely high power requirements and frequent discharges

- ▶ Ideal for vehicles with a sleeper cab
- ▶ Ideal for trucks with a lifting platform, and also coaches



T3, T4, T5: Commercial vehicle batteries from Bosch: More power, reliability and convenience in everyday use.

**** Reduce your fleet operating costs with absolutely maintenance-free batteries from Bosch.**

Features	T3	T4	T5
Absolutely maintenance free	Maintenance free, topping-up with water possible	✓**	✓**
Installation in vehicle interior	Not possible	✓	✓
Deep cycle resistance	Surpasses EN standard	Up to 300%	Up to 400%
Service life	100%	120%, due to silver technology	130% due to silver technology and glass mat
Vibration resistance*	Extremely vibration-resistant	10 times more vibration-resistant	10 times more vibration-resistant
Starting power	100%	120%	130%
Shelf life	Up to 12 months	15 months	18 months

* compared to conventional starter batteries

Reliable and powerful starting: Bosch motorcycle batteries

All Bosch motorcycle batteries come complete with an acid pack and filling aid. They contain the exact quantity of acid required.

M6 – Bosch motorcycle battery with AGM technology

- ▶ 100 % maintenance-free
- ▶ With fixed electrolyte
- ▶ Outstanding starting power with plenty to spare
- ▶ Vibration-resistant
- ▶ Tilt-resistant and leak-proof
- ▶ Minimal self-discharge
- ▶ 20 % longer service life

M4 – motorbike battery

- ▶ Low-maintenance
- ▶ Powerful starting whatever the weather
- ▶ Central gas venting system



Mobile and independent: Bosch batteries for leisure activities and lighting

Mobile energy

Offer your customers a source of dependable power with Bosch batteries for leisure activities and lighting. With their outstanding deep cycle resistance and long service life, these “power packs” ensure full mobility and optimum reliability whatever the application.

L4/L5/L6: All sales arguments at a glance

- ▶ Exceptional cycle resistance
- ▶ Short charging times
- ▶ Long service life
- ▶ 100 % maintenance-free in line with EN
- ▶ Leak-proof up to 55° angle



Leisure and lighting batteries from Bosch: Power packs featuring approved top quality and plenty of energy in reserve.

Bosch: Bringing you the workshop of the future

For over 125 years, Bosch innovations have been keeping vehicles on the road and getting people to and from their destinations while improving safety and peace of mind along the way.

Bosch Automotive Aftermarket offers workshops and retailers a comprehensive portfolio of products that is unmatched worldwide:

- ▶ Efficient diagnostics
- ▶ Innovative workshop equipment
- ▶ Quick, reliable delivery
- ▶ The world's most comprehensive range of spare parts – including both new and remanufactured
- ▶ Workshop concepts to meet every requirement
- ▶ Comprehensive training
- ▶ Targeted sales and marketing support
- ▶ A competent service hotline
- ▶ 24-hour online workshop services
- ▶ Affordable leasing services for workshop equipment and software

From parts to scheduling, organization and results, our solutions are combined with additional services to ensure your needs will be perfectly met, helping you to maximize your potential.

Your address for genuine Bosch quality:

For more information:
www.bosch.com



The world of Bosch:

- ▶ Diagnostics
- ▶ Diesel systems
- ▶ Gasoline systems
- ▶ Braking systems
- ▶ Spark plugs
- ▶ Energy systems
- ▶ Batteries
- ▶ Filters
- ▶ Wiper systems
- ▶ Lighting technology
- ▶ Comfort electronics
- ▶ Technical hotline
- ▶ Knowledge database
- ▶ Service training
- ▶ Workshop concepts

Technical changes and program modifications are reserved

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