

Press release

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CES 2025: Bosch eBike Systems presents digital theft protection for eBike batteries

New function Battery Lock function makes the battery useless for thieves

- With Battery Lock eBike batteries can be digitally locked.
- eBike Flow app and Kiox 300 and Kiox 500 displays serve as keys.
- Battery Lock and other digital security solutions from Bosch complement the mechanical lock.

Stuttgart/Reutlingen – Anyone who decides to buy an eBike wants to protect it against theft in the best possible way. To make things more difficult for thieves, Bosch eBike Systems is now extending its digital theft protection to batteries. At CES 2025 in Las Vegas, Bosch will present the **Battery Lock**: a unique function that ensures that the eBike battery can no longer be used if it is stolen, making it worthless to thieves. The new solution complements the digital theft protection portfolio in the smart system centred around "[eBike Lock](#)" and "[eBike Alarm](#)".

Gregor Dasbach, Head of Digital Business at Bosch eBike Systems: "The battery is one of the most valuable eBike components. With Battery Lock, eBike riders get a smart security function that helps them to protect their eBike even better against theft and to park it more carefree. The expansion of our digital theft protection portfolio brings us a big step closer to our vision of ensuring that no eBike with a Bosch system is stolen in the future."

Battery Lock provides additional digital protection for the eBike battery

Removable batteries such as PowerTube and PowerPack are mechanically secured by a lock. Battery Lock complements this protection on a digital level: as soon as Battery Lock is activated in the eBike Flow app, the battery locks automatically

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when the eBike is switched off. If a locked battery is inserted into another eBike with the smart system, it automatically deactivates its motor support and renders the entire eBike unusable for the thief. This also makes reselling the battery pointless, which reduces the risk of theft.

Full flexibility: Compatible with all batteries or battery combinations in the smart system

Several digital keys can be used simultaneously for Battery Lock: the smartphone with the eBike Flow app and Kiox 300 or Kiox 500. These digital keys are flexibly managed with the eBike Flow app and Battery Lock can also be switched off if you want to share the battery with friends or family, for example. Battery Lock is also compatible with all batteries or battery combinations in the smart system and also works with DualBatteries and the PowerMore 250 Range Extender.

Optimum additional theft protection

With the new Battery Lock function, Bosch eBike Systems is expanding its existing portfolio of digital security solutions and offering eBike riders even more protection against theft. With the **eBike Lock** function, which is already available, the smartphone and the Kiox 300 and Kiox 500 displays serve as a digital key to activate motor support. **eBike Alarm** informs users about the location of their eBike and sounds the alarm in the event of suspicious activity. If the eBike is stolen, they receive a push notification on their smartphone and location tracking starts. In the event of theft, the **theft report** summarises all the important data about the eBike and the crime so that it can be passed on to the police, including a live tracking link. The **eBike pass** serves as a digital vehicle registration document that shows eBike riders all the important information about their eBike at a glance.

Available from summer 2025

Battery Lock can be installed over-the-air as usual on any Bosch eBike with the smart system via the eBike Flow app and will be available from summer 2025 as part of the Flow+ subscription.

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Basic information:

Bosch eBike Systems is shaping the future of eBike mobility with innovative products and digital services ranging from highly efficient drive systems and the first series-ready ABS for eBikes to connected biking solutions. On daily routes through the city, on enjoyable tours through the countryside or for sporty adventures in the mountains: Bosch eBike Systems offers eBikers the right drive system (drive unit, battery, display and app) for every requirement and every area of use, which ensures a unique riding experience. Today, more than 100 of the world's leading bicycle brands trust in the perfectly coordinated, modular product portfolio. As an independent business unit within the Bosch Group, Bosch eBike Systems also uses the group's technology and manufacturing know-how. For healthy, safe and sustainable mobility that is fun.

For more information please visit www.bosch-ebike.com

The Bosch Group is a leading global supplier of technology and services. It employs roughly 429,000 associates worldwide (as of December 31, 2023). The company generated sales of 91.6 billion euros in 2023. Its operations are divided into four business sectors: Mobility, Industrial Technology, Consumer Goods, and Energy and Building Technology. With its business activities, the company aims to use technology to help shape universal trends such as automation, electrification, digitalization, connectivity, and an orientation to sustainability. In this context, Bosch's broad diversification across regions and industries strengthens its innovativeness and robustness. Bosch uses its proven expertise in sensor technology, software, and services to offer customers cross-domain solutions from a single source. It also applies its expertise in connectivity and artificial intelligence in order to develop and manufacture user-friendly, sustainable products. With technology that is "Invented for life," Bosch wants to help improve quality of life and conserve natural resources. The Bosch Group comprises Robert Bosch GmbH and its roughly 470 subsidiary and regional companies in over 60 countries. Including sales and service partners, Bosch's global manufacturing, engineering, and sales network covers nearly every country in the world. Bosch's innovative strength is key to the company's further development. At 136 locations across the globe, Bosch employs some 90,000 associates in research and development, of which nearly 48,000 are software engineers.

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 upfront investments in the safeguarding of its future. Ninety-four percent of the share capital of Robert Bosch GmbH is held by Robert Bosch Stiftung GmbH, a charitable foundation. The remaining shares are held by Robert Bosch GmbH and by a corporation

owned by the Bosch family. The majority of voting rights are held by Robert Bosch Industriereuhand KG. It is entrusted with the task of safeguarding the company's long-term existence and in particular its financial independence – in line with the mission handed down in the will of the company's founder, Robert Bosch.

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