

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

January 5, 2025

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 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.

**Press photos and infocharts are available on the Bosch Media Service at [www.bosch-press.com](http://www.bosch-press.com).**

### **Bosch at CES 2025:**

- **PRESS CONFERENCE: Monday, Jan. 6**, from 9:00 to 9:45 a.m. PT with Dr. Tanja Rückert, member of the board of management of Robert Bosch GmbH, and Paul Thomas, president of Bosch in North America, in Ballroom Banyan ABCD, Mandalay Bay Hotel, Las Vegas, **South Convention Center, Level 3**, as well as **livestreamed** on the [Bosch Media Service](http://www.bosch-press.com).
- **BOOTH: Jan. 7 – 10**, in the Central Hall, booth #16203.

- **PANELS WITH BOSCH EXPERTS:**

- **“What’s Next in Vehicle Tech”,**

- Jan. 9, 11 a.m. PT, Las Vegas Convention Center West / W219, session with Fedra Ribeiro, executive vice president sales Cross-Domain Computing Solutions at Bosch.

- **“Predictive AI: Transforming Customer Service and Business”,**

- Jan. 9, 3 p.m. PT, Las Vegas Convention Center North / N261, session with Davie Sweis, chief digital officer at the Global Business Services at Bosch.

- **“Trends in Electric Car Consumption: Who, What, Where”**

- Jan. 9, 2 p.m. PT, Las Vegas Convention Center West / L2 W219, session with Sabrina Rathgeber, director Global Battery Business at Bosch.

- **WEST HALL MOBILITY STAGE:**

- **“Software defined reality: Achieving consumer expectations for software-defined vehicles”**

- Jan 7, 11:20 a.m. PT, session with Thomas Irawan, president of ETAS GmbH, and Stefan Buerkle, regional president Cross-Domain Computing Solutions Americas.

- **“Enabling electrification options for consumers as the market shifts”**

- Jan. 8, 9:40 a.m. PT, session with Peter Tadros, regional president Power Solutions, and Kevin O’Keefe, regional president Electrified Motion at Bosch.

- **“Intelligent production and automation transform battery manufacturing”**

- Jan. 9, 9:40 a.m. PT, session with Sabrina Rathgeber, director Global Battery Business at Bosch.

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**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](http://www.bosch-ebike.com)

The **Bosch Group** is a leading global supplier of technology and services. It employs roughly 428,000 associates worldwide (as of December 31, 2023). According to preliminary figures, 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. As a leading IoT provider, Bosch offers innovative solutions for smart homes, Industry 4.0, and connected mobility. Bosch is pursuing a vision of mobility that is sustainable, safe, and exciting. It uses its expertise in sensor technology, software, and services, as well as its own IoT cloud, to offer its customers connected, cross-domain solutions from a single source. The Bosch Group's strategic objective is to facilitate connected living with products and solutions that either contain artificial intelligence (AI) or have been developed or manufactured with its help. 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 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. The basis for the company's future growth is its innovative strength. At 136 locations across the globe, Bosch employs some 90,000 associates in research and development, of which roughly 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 Industrietreuhand KG, an industrial trust. The entrepreneurial ownership functions are carried out by the trust.

Additional information is available online at [www.bosch.com](http://www.bosch.com), [www.iot.bosch.com](http://www.iot.bosch.com), [www.bosch-press.com](http://www.bosch-press.com)