

Press release

Two-Wheeler and Powersports



BOSCH

Bosch and Ultraviolette collaborate to launch India's first electric two-wheeler with dual channel ABS

- ▶ F77 is the first electric urban motorcycle integrating Bosch dual channel ABS from an Indian motorcycle manufacturer
- ▶ Bosch continues its commitment to enhance riders' safety, extending to electric two-wheelers as well, and mitigating motorcycle accidents in India
- ▶ ABS as key to enhance road safety; up to 33% of two-wheeler relevant accident with casualties on Indian roads could be avoided

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Bengaluru, India: Aligned with improving the safety of motorists on Indian roads, Bosch India and Ultraviolette Automotive Pvt. Ltd have collaborated to come up with India's first high performance electric motorcycle - the F77. The electric urban sport motorcycle flaunts a refined and precise dual channel ABS intervention from Bosch, which allows the rider to maintain stability, thus, contributing to a safer riding experience even during braking.

With the launch of F77, Ultraviolette Automotive Pvt. Ltd., an innovator in sustainable mobility, becomes India's first electric motorcycle model integrating Bosch ABS. Along with ABS, F77 has been built ground-up with principles used in the aviation industry coupled with the rear-wheel lift-up mitigation function.

Commenting on the collaboration, **Manohar Halahali, President, Bosch Two-Wheeler & Powersports, India** said: "Bosch has been at the forefront of ensuring rider safety in India and globally, with our vision to move forward in the direction of achieving accident-free mobility. It's our pleasure to be associated with an innovative partner like Ultraviolette who are bringing in industry leading technology in their electric motorcycle the F77. The launch of F77 with Bosch ABS will not only make riding an electric two-wheeler fun and efficient but also safe. With this partnership we continue our contribution towards rider safety not only in the conventional two-wheeler space but also extend it to electric two-wheelers."

Narayan Subramaniam, CEO, Ultraviolette Automotive Pvt. Ltd. said: "We have spent the past few years perfecting the F77 across all aspects of design, vehicle engineering, performance, safety, and user experience. Our design and engineering process has focused on an uncompromising approach towards rider safety. The F77 is India's first electric two-wheeler with dual channel ABS by Bosch. We, at Ultraviolette, have performed rigorous testing across all terrains, in both dry and wet conditions. Since the F77 comes equipped with Bosch ABS, it

handles all braking scenarios with ease and enhances riding confidence significantly.”

F77 with Bosch ABS: Prioritizing Road Safety through customization

The electric two-wheelers require significant attention to the subject of recuperation, meaning the recovery of energy. This happens when an electric vehicle brakes or slows down closing the throttle. The Bosch ABS caters to this specific need amplifying the performance of the motorcycle with respect to safety.

Bosch motorcycle ABS 10 base, adopted to the F77, is the dual channel ABS for two-wheelers with hydraulic brakes both at the front and rear wheels. The technology also brings the rear-wheel lift-up mitigation function to the vehicle, contributing to keep the rear wheel on the ground when a rider brakes sharply, reducing the risk of rollover.

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About Bosch in India

In India, Bosch is a leading supplier of technology and services in the areas of Mobility Solutions, Industrial Technology, Consumer Goods, and Energy and Building Technology. Additionally, Bosch has in India the largest development center outside Germany, for end-to-end engineering and technology solutions. The Bosch Group operates in India through twelve companies: Bosch Limited – the flagship company of the Bosch Group in India – Bosch Chassis Systems India Private Limited, Bosch Rexroth (India) Private Limited, Bosch Global Software Technologies, Bosch Automotive Electronics India Private Limited, Bosch Electrical Drives India Private Limited, BSH Home Appliances Private Limited, ETAS Automotive India Private Limited, Robert Bosch Automotive Steering Private Limited, Automobility Services and Solutions Private Limited, Newtech Filter India Private Limited and Mivin Engg. Technologies Private Limited. In India, Bosch set-up its manufacturing operation in 1951, which has grown over the years to include 18 manufacturing sites, and seven development and application centers. The Bosch Group in India employs over 30,500 associates and generated consolidated sales of about Rs. 26,827 crores (2.8 billion euros) in fiscal year 2021-22 of which Rs. 24,406 crores (2.8 billion euros) are from consolidated sales to third parties. Bosch Limited is the flagship company of the Bosch Group. It earned revenue of over Rs. 11,782 crores (1.39 billion euros) in fiscal year 2021-22.

Additional information can be accessed at www.bosch.in

The Bosch Group is a leading global supplier of technology and services. It employs roughly 402,600 associates worldwide (as of December 31, 2021). The company generated sales of 78.7 billion euros in 2021. Its operations are divided into four business sectors: Mobility Solutions, 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 440 subsidiary and regional companies in some 60 countries. Including sales and service partners, Bosch’s global manufacturing, engineering, and sales network covers nearly every country in the world. With its more than

400 locations worldwide, the Bosch Group has been carbon neutral since the first quarter of 2020. The basis for the company's future growth is its innovative strength. At 128 locations across the globe, Bosch employs some 76,100 associates in research and development, of which more than 38,000 are software engineers.

Additional information is available online at www.bosch.com, www.iot.bosch.com, www.bosch-press.com, www.twitter.com/BoschPress.

About Ultraviolette Automotive Pvt. Ltd.

Ultraviolette Automotive Pvt. Ltd. is an innovator in sustainable mobility and energy infrastructure. Established in 2016, Ultraviolette Automotive was founded by Narayan Subramaniam and Niraj Rajmohan. The company was born out of the unique vision of creating top-of-the line mobility solutions, that's driven by progressive design and energy efficient technology. Ultraviolette Automotive is developing India's first ecosystem of high-performance electric vehicles and future-ready energy infrastructure. For more information, visit <https://www.ultraviolette.com/>