

Europe Current Sense Amplifier Market Forecast to 2030 - COVID-19 Impact and Regional Analysis - by Sensing Type (High-side Sensing and Low-side Sensing), Current Direction (Unidirectional and Bidirectional), and End User (Electronics, Automotive, Telecommunications, Industrial, and Others)

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Report description:

The Europe current sense amplifier market is expected to grow from US\$ 753.14 million in 2023 to US\$ 1,150.88 million by 2030. It is estimated to grow at a CAGR of 6.2% from 2023 to 2030.

Growing use of Current Sensing Amplifiers in Telecommunication Infrastructure Drive Europe Current Sense Amplifier Market

The rising demand for strong connectivity across the world fuels the need for advanced telecommunication infrastructure. As telecom infrastructure serves as the foundation for modern digital economies, there is a growing need for its development. A strong telecom infrastructure can help governments of different countries at national and international levels to achieve economic growth, digital inclusion, social mobility, and environmental objectives. Thus, the demand for 5G is increasing worldwide for strong connectivity. According to GSMA, in 2022, there was 17% of 5G penetration across the world, which is expected to reach 54% by 2030.

As 5G is the critical new-generation network technology that can enable innovation and support digital transformation, its demand is increasing across the world. Therefore, the governments of various countries are investing in 5G infrastructure. In July 2021, the government of France announced its plan to invest about US\$ 2.06 billion (EUR 1.7 billion) in its 5G market by 2025 via public and private investments. Through this, the government aims to accelerate the development of 5G in the country. Thus, such growing investments in 5G infrastructure raise the demand for current sensing amplifiers as it is used in telecom infrastructure equipment such as networking devices, modems, routers, and others, where there is a need for current monitoring and current control loops.

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Thus, the growing telecom infrastructure is fueling the growth of the Europe current sense amplifier market .

Europe Current Sense Amplifier Market Overview

The Europe current sense amplifier market is segmented into Germany, France, Spain, the UK, Italy, and the Rest of Europe. The automotive sector is driving the market growth in the region, as current sense amplifiers are used to manage the flow of power in batteries, motors, and other automobile components. It is one of Europe's largest sectors, representing over 7% of the region's GDP. The presence of established car manufacturers and an increase in the development and sales of electric vehicles are a few other factors expected to boost the demand for current sense amplifiers in the coming years. Also, governments of various countries in the region are taking various initiatives for the growth of the automotive industry. For instance, in 2020, the UK government awarded US\$ 57.87 million for various low-carbon automotive projects, including electric vehicle manufacturing. Similarly, in October 2022, European Union announced that they will ban new non-electric cars from 2035 onward, as well as set a target for carmakers to achieve 100% carbon dioxide emission reduction by 2035.

Moreover, in telecom infrastructure, current sense amplifiers are used in infrastructural equipment to manage the power flow. The growing expansion of telecom infrastructure in Europe due to the growing adoption of 5G and FTTH is further fueling the market growth. According to the European Telecommunications Network Operators' Association (ETNO), in 2021, in Europe, the total telecom capital expenditure (CapEx) reached US\$ 63.75 billion (EUR 56.3 billion). Furthermore, various tech companies also invested approximately US\$ 1.13 billion (EUR 1 billion) in infrastructures, including large international and undersea routes, peering, transit, and caching, and ~US\$ 18.11 billion (EUR 16 billion) in data centers. In addition, by the end of 2022, ~55.6% of the European population had access to FTTH networks, which increased from 50% in 2021. Similarly, 73% of Europeans used 5G in 2022, up from 62% in 2021. Thus, the growing automotive and telecommunication sectors are fueling the growth of the Europe current sense amplifier market.

Europe Current Sense Amplifier Market Revenue and Forecast to 2030 (US\$ Million)

Europe Current sense amplifier market Segmentation

The Europe current sense amplifier market is segmented into sensing type, current direction, end user, and country.

Based on sensing type, the Europe current sense amplifier market is bifurcated into high-side sensing and low-side sensing. In 2023, the high-side sensing segment registered a larger share in the Europe current sense amplifier market.

Based on current direction, the Europe current sense amplifier market is bifurcated into unidirectional and bidirectional. In 2023, the bidirectional segment registered a larger share in the Europe current sense amplifier market.

Based on end-use, the Europe current sense amplifier market is segmented into electronics, automotive, telecommunications, industrial, and others. In 2023, the electronics segment registered a largest share in the Europe current sense amplifier market.

Based on country, the Europe current sense amplifier market is segmented into Germany, France, Italy, the UK, Russia, and the Rest of Europe. In 2023, Germany segment registered a largest share in the Europe current sense amplifier market.

Analog Devices Inc; Microchip Technology Inc; Monolithic Power Systems Inc; On Semiconductor Corp; Renesas Electronics Corp; ROHM Co Ltd; Semtech Corp; SG Micro Corp; STMicroelectronics NV; and Texas Instruments Inc are the leading companies operating in the Europe current sense amplifier market.

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