

India GAN Chargers Market Report and Forecast 2023-2028

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Report description:

India GAN chargers Market Report and Forecast 2023-2028

Market Outlook

According to the report by Expert Market Research (EMR), the India GAN chargers market reached a value of USD 21 million in 2022. Aided by rising number of smartphone users and rising adoption of the product from smartphone manufacturers, the market is projected to further grow at a CAGR of 23.3% between 2023 and 2028 to reach a value of USD 89.8 million by 2028. GAN chargers have surged in popularity as a next-gen charging technology, superior to their silicon counterparts. As per the India GAN chargers market analysis, gallium Nitride, as a semiconductor material, offers notable advantages such as higher efficiency, faster charging, and compact designs due to its ability to operate at higher temperatures and voltages. It's these traits that position GAN chargers as a prominent contender in the electronic charging sphere, especially in tech-savvy regions like India. India's digitisation drive and the proliferation of electronic devices have inherently fostered the need for efficient charging solutions. The rising demand for smartphones, laptops, and other gadgets, paired with consumers' desire for faster charging times, has steered the spotlight onto GAN chargers. Furthermore, with India's plans to bolster its electronic manufacturing capabilities, the foundation for the market appears to be solid.

Environmental concerns also contribute to the increasing adoption of GAN chargers in India. The Indian government, along with various NGOs, is actively promoting energy conservation. Given that GAN chargers consume less power due to higher efficiency, they naturally align with the nation's energy conservation goals.

The rise of remote work and online education, hastened by global events like the COVID-19 pandemic, has amplified the demand for electronic devices, and consequently, efficient charging solutions. GAN chargers, with their compact size and reduced heat dissipation, cater to the needs of this burgeoning user base, further boosting the India GAN chargers market demand.

The awareness about GAN chargers is still growing, and the higher initial cost, when compared to traditional silicon chargers, can be a deterrent for some segments of the population. Furthermore, the nascent stage of GAN technology means that there is a dependency on imports, leading to higher prices. The Indian government's push towards domestic manufacturing, paired with investments in R&D is expected to further propel the India GAN chargers market growth.

On the brighter side, collaborations between tech giants and Indian startups in the electronics sector have created a conducive environment for innovation. Several companies are now looking into integrating GAN technology in various applications, from

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medical devices to industrial machinery, broadening the India GAN chargers market share.

Market Segmentation

The market can be divided based on port, origin, output, application, sales channel, and region.

Market Breakup by Port

- Single Port

- Dual Port

- Three Port

Market Breakup by Origin

- Domestic

- Import

Market Breakup by Output

- 65 W

- 45 W

- 161 W

- 100 W

- Others

Market Breakup by Application

- Mobile

- Laptop

- Tablets

- Others

Market Breakup by Sales Channel

- Offline - Multi Brand

- Offline - Exclusive

- E-Commerce

- Direct

Market Breakup by Region

- East India

- West India

- South India

- North India

Competitive Landscape

The EMR report looks into the market shares, plant turnarounds, capacities, investments, and mergers and acquisitions, among other major developments, of the leading companies operating in the Indian GAN chargers market. Some of the major players explored in the report by Expert Market Research are as follows:

- Xiaomi India

- Spigen India

- Shenzhen Kubisheng Technology Co, Ltd (Chipofy)

- Imagine Marketing Limited (Boat)

- Portronics Digital Private Limited

- Belkin India Pvt Ltd

- Artis

- SFT Technologies

- Oraimo

- Stuffcool-Nissan Enterprises Ltd

- Others

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