

India GAN Chargers Market Report and Forecast 2025-2034

Market Report | 2025-06-30 | 112 pages | EMR Inc.

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Report description:

The India GAN chargers market size reached approximately USD 31.93 Million in 2024. The market is estimated to grow at a CAGR of 23.00% between 2025 and 2034, reaching a value of around USD 253.08 Million by 2034.

Key Trends in the Market

GAN chargers are an alternative to traditional silicon-based chargers that utilises gallium nitride semiconductors. GaN is a crystal-like tough material with the capability to conduct high voltage powers. It features a wide-bandgap semiconductor material with excellent mechanical stability, along with high heat capacity and thermal conductivity.

- The India GAN chargers market demand is expected to grow during the forecast period owing to the rising adoption of the product from smartphone manufacturers. Major smartphone manufacturers are recognising the benefits of GaN chargers and adding them to their product offerings.
- E-commerce platforms have played a significant role in propelling the India GAN chargers market growth. The availability of GaN chargers on these platforms, along with promotional activities and competitive pricing, is making it easier for consumers to access and purchase GaN chargers. Moreover, with the rising number of smartphone users, sales from e-commerce are likely to significantly surge in the coming years.
- The Indian government has been actively promoting digitalisation and the adoption of electronic devices through initiatives like Digital India and Make in India. Hence, one of the major India GAN chargers market trends is the increasing usage of electronic devices. Additionally, there is a shift from Si to GaN chargers as the operating frequency of electronic devices increases and their charging time, weight, and cost decrease.

Market Segmentation

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The EMR's report titled "India GAN Chargers Market Report and Forecast 2025-2034" offers a detailed analysis of the market based on the following segments:

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

Market Share by Output

According to the India GAN chargers market analysis, 65W GAN chargers are anticipated to register significant growth during the forecast period. The development of the segment can be attributed to the compact size and lightweight design of the product. In

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addition, 65W energy output is becoming a staple point for chargers among smartphone manufacturers as it provides sufficient power for rapid charging of smartphones.

Market Share by Application

Mobiles and tablets are expected to hold a large portion of the India GaN chargers market share. GaN chargers are increasingly adopted by companies as they are lightweight and tough, making them easier to pack and ship. The chargers also provide fast charging capabilities and surge the usability of devices, increasing their appeal among consumers.

Competitive Landscape

The comprehensive EMR report provides an in-depth assessment of the market based on Porter's five forces model along with giving a SWOT analysis. The report gives a detailed analysis of the following key players in the India GaN chargers market, covering their competitive landscape and the latest developments like mergers, acquisitions, investments, and expansion plans.

Xiaomi India

Xiaomi India is the Indian branch of Xiaomi Corporation., a consumer electronic designer and manufacturer based in China. The company was founded in the year 2010 and has made multiple innovations in the field of smart devices. It has developed a wide array of products, ranging from phones to smart homes and lifestyles.

Spigen India

Spigen India is one of the largest and most well-known manufacturers of smartphone accessories, cases, and screen protective products. The company was founded in the year 2008 and it has committed itself to providing high-quality and innovative products that offer protection and style for various smartphone models.

Imagine Marketing Limited (Boat)

Imagine Marketing Limited (Boat) is established as the parent company of the audio and wearable device designer and manufacturer, boAt. The company was incorporated in the year 2013 and since then has been ranked among the top-performing companies in India. The brand has developed an omnichannel distribution of its products in the online and offline channels.

Other India GaN chargers market players include Shenzhen Kubisheng Technology Co, Ltd (Chopify), Portronics Digital Private Limited, Belkin India Pvt Ltd, Artis, SFT Technologies, Oraimo, and Stuffcool-Nissan Enterprises Ltd, among others.

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