

Global Wide Bandgap Power (WBG) Semiconductor Devices Market 2023 by Company, Regions, Type and Application, Forecast to 2029

<https://marketpublishers.com/r/G76CBAEE5128EN.html>

Date: January 2023

Pages: 102

Price: US\$ 3,480.00 (Single User License)

ID: G76CBAEE5128EN

Abstracts

Wide-bandgap semiconductors (WBG) are semiconductor materials which have a relatively large band gap compared to typical semiconductors.

According to our (Global Info Research) latest study, the global Wide Bandgap Power (WBG) Semiconductor Devices market size was valued at USD 938.5 million in 2022 and is forecast to a readjusted size of USD 7795.1 million by 2029 with a CAGR of 35.3% during review period. The influence of COVID-19 and the Russia-Ukraine War were considered while estimating market sizes.

Global key wide bandgap power (WBG) semiconductor devices manufacturers include Wolfsped (Cree), Infineon Technologies, ROHM Semiconductor etc. The top 5 companies hold a share about 67%. Asia Pacific is the largest market, with a share about 58%, followed by Europe and North America with the share about 20% and 18%.

This report is a detailed and comprehensive analysis for global Wide Bandgap Power (WBG) Semiconductor Devices market. Both quantitative and qualitative analyses are presented by company, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2023, are provided.

Key Features:

Global Wide Bandgap Power (WBG) Semiconductor Devices market size and forecasts,

in consumption value (\$ Million), 2018-2029

Global Wide Bandgap Power (WBG) Semiconductor Devices market size and forecasts by region and country, in consumption value (\$ Million), 2018-2029

Global Wide Bandgap Power (WBG) Semiconductor Devices market size and forecasts, by Type and by Application, in consumption value (\$ Million), 2018-2029

Global Wide Bandgap Power (WBG) Semiconductor Devices market shares of main players, in revenue (\$ Million), 2018-2023

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Wide Bandgap Power (WBG) Semiconductor Devices

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Wide Bandgap Power (WBG) Semiconductor Devices market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Wolfspeed (Cree), Infineon Technologies, ROHM Semiconductor, STMicroelectronics and onsemi, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals, COVID-19 and Russia-Ukraine War Influence.

Market segmentation

Wide Bandgap Power (WBG) Semiconductor Devices market is split by Type and by Application. For the period 2018-2029, the growth among segments provide accurate calculations and forecasts for consumption value by Type and by Application. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Power SiC Device

Power GaN Device

Market segment by Application

Photovoltaic and Energy Storage Systems

Electric Vehicle Charging Infrastructure

PFC Power Supply

Rail

Motor Drive

UPS

Others

Market segment by players, this report covers

Wolfsped (Cree)

Infineon Technologies

ROHM Semiconductor

STMicroelectronics

onsemi

Mitsubishi Electric

Littelfuse

Microchip Technology

GeneSiC Semiconductor

Transphorm

GaN Systems

Navitas Semiconductor

Efficient Power Conversion (EPC)

Market segment by regions, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, UK, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Australia and Rest of Asia-Pacific)

South America (Brazil, Argentina and Rest of South America)

Middle East & Africa (Turkey, Saudi Arabia, UAE, Rest of Middle East & Africa)

The content of the study subjects, includes a total of 13 chapters:

Chapter 1, to describe Wide Bandgap Power (WBG) Semiconductor Devices product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top players of Wide Bandgap Power (WBG) Semiconductor Devices, with revenue, gross margin and global market share of Wide Bandgap Power (WBG) Semiconductor Devices from 2018 to 2023.

Chapter 3, the Wide Bandgap Power (WBG) Semiconductor Devices competitive situation, revenue and global market share of top players are analyzed emphatically by

landscape contrast.

Chapter 4 and 5, to segment the market size by Type and application, with consumption value and growth rate by Type, application, from 2018 to 2029.

Chapter 6, 7, 8, 9, and 10, to break the market size data at the country level, with revenue and market share for key countries in the world, from 2018 to 2023. and Wide Bandgap Power (WBG) Semiconductor Devices market forecast, by regions, type and application, with consumption value, from 2024 to 2029.

Chapter 11, market dynamics, drivers, restraints, trends, Porters Five Forces analysis, and Influence of COVID-19 and Russia-Ukraine War

Chapter 12, the key raw materials and key suppliers, and industry chain of Wide Bandgap Power (WBG) Semiconductor Devices.

Chapter 13, to describe Wide Bandgap Power (WBG) Semiconductor Devices research findings and conclusion.

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