

Global SiC Based Photovoltaic Inverter Market 2022 by Manufacturers, Regions, Type and Application, Forecast to 2028

<https://marketpublishers.com/r/G190BAECF19CEN.html>

Date: September 2022

Pages: 110

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

ID: G190BAECF19CEN

Abstracts

Silicon Carbide in Photovoltaic Inverter: SiC is used in power electronics devices, like inverters, which deliver energy from photovoltaic (PV) arrays to the electric grid, and other applications, like heat exchangers in concentrating solar power (CSP) plants and electric vehicles. SiC withstands higher temperatures and voltages than silicon, making it a more reliable and versatile inverter component. Inverters convert direct current electricity generated by solar panels from to grid-compatible alternating current.

The SiC Based Photovoltaic Inverter market report provides a detailed analysis of global market size, regional and country-level market size, segmentation market growth, market share, competitive Landscape, sales analysis, impact of domestic and global market players, value chain optimization, trade regulations, recent developments, opportunities analysis, strategic market growth analysis, product launches, area marketplace expanding, and technological innovations.

According to our (Global Info Research) latest study, due to COVID-19 and Russia-Ukraine War influence, the global SiC Based Photovoltaic Inverter market size was valued at USD million in 2021 and is forecast to a readjusted size of USD million by 2028 with a CAGR of % during review period.

The SiC Based Photovoltaic Inverter market in the USA. is estimated at USD million in 2022, which currently accounts for a % share in the global market. China, the world's second largest economy, is estimated at USD million in 2022 and holds a % percent.

Automotive occupied for % of the SiC Based Photovoltaic Inverter global market in 2021, and it is projected to value USD million by 2028, growing at a % CAGR in next six

years. In terms of product type, Isolated Photovoltaic Inverter segment is altered to a % CAGR between 2022 and 2028.

Global key manufacturers of SiC Based Photovoltaic Inverter include STMicroelectronics, Cree, Inc., ON Semiconductor, ROHM CO., LTD. and Infineon Technologies AG, etc. In terms of revenue, the global top four players hold a share over % in 2021.

Key Features of This Report:

This report provides in-depth analysis of the global SiC Based Photovoltaic Inverter market, and provides market size (value, volume and average price) and CAGR for the history and forecast period (2017-2022, 2023-2028), considering 2021 as the base year

Main SiC Based Photovoltaic Inverter manufacturers' industry ranking, sales, revenue, price, and market share analysis. This report will help stakeholders to understand the competitive landscape and gain more insights and position their businesses and market strategies in a better way.

This reports profiles key players in the global SiC Based Photovoltaic Inverter market based on the following parameters – headquarters, production locations, products portfolio, SiC Based Photovoltaic Inverter revenue, sales, average price and gross margin, recent developments.

Evaluation and forecast the SiC Based Photovoltaic Inverter market size, projected growth trends, and corresponding market share analysis by type, by application, and by region. It elucidates potential revenue opportunities across different segments and explains attractive investment proposition matrices for this market

Highlights of the current market scenario, recent information, latest developments, and factors impacting the growth of the market

Insights from this report would allow marketers and the management authorities of the companies to make informed decisions regarding their future product launches, type up-gradation, market expansion, and marketing tactics

Market Segmentation

SiC Based Photovoltaic Inverter market is split by Type and by Application. For the

period 2017-2028, the growth among segments provides accurate calculations and forecasts for sales by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type (2017-2028; USD Million)

Isolated Photovoltaic Inverter

Non-isolated Photovoltaic Inverter

Market segment by Application (2017-2028; USD Million)

Automotive

Consumer Electronics

IT & Telecommunication

Aerospace & Defense

Others

The key market players for global SiC Based Photovoltaic Inverter market are listed below:

STMicroelectronics

Cree, Inc.

ON Semiconductor

ROHM CO., LTD.

Infineon Technologies AG

NXP Semiconductor NV

ABB Group

Renesas Electronics Corporation

Fuji Electric Co, Ltd.

Mitsubishi Electric Corp.

McLaren Applied

BorgWarner

Wolfspeed

NXP

Punch Powertrain

Region Segment (2017-2028; USD Million)

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

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

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

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe SiC Based Photovoltaic Inverter product scope, market overview, market opportunities, market driving force and market risks.

Chapter 2, to profile the top manufacturers of SiC Based Photovoltaic Inverter, with

price, sales, revenue and global market share of SiC Based Photovoltaic Inverter from 2019 to 2022.

Chapter 3, the SiC Based Photovoltaic Inverter competitive situation, sales, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the SiC Based Photovoltaic Inverter breakdown data are shown at the regional level, to show the sales, revenue and growth by regions, from 2017 to 2028.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2017 to 2028.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales, revenue and market share for key countries in the world, from 2017 to 2022. and SiC Based Photovoltaic Inverter market forecast, by regions, type and application, with sales and revenue, from 2023 to 2028.

Chapter 12, the key raw materials and key suppliers, and industry chain of SiC Based Photovoltaic Inverter.

Chapter 13, 14, and 15, to describe SiC Based Photovoltaic Inverter sales channel, distributors, customers, research findings and conclusion, appendix and data source.

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