

APAC Silicon Carbide Power Semiconductors Market - Industry Trends and Forecast to 2032

Market Report | 2024-02-01 | 478 pages | Data Bridge Market Research

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Report description:

Asia-Pacific silicon carbide power semiconductors market is expected to reach USD 4,401,437.63 thousand by 2031 from USD 667,343.38 thousand in 2023, growing at a CAGR of 26.9% during the forecast period of 2024 to 2031.

Market Segmentation

Asia-Pacific Silicon Carbide Power Semiconductors Market, By Type Type (MOSFETS, Schottky Barrier Diodes (SBDs), Bipolar Junction Transistor (BJT), Hybrid Modules, SiC Bare Die, Pin Diode, Junction FET (JFET), and Others), Wafer Type (SiC Epitaxial Wafers and Blank SiC Wafers), Voltage Range (301 V to 900 V, 901 V to 1700 V, 1701 V & Above, and Less than 300 V), Wafer Size Wafer Size (2 Inch 3-Inch and 4-Inch, 6 Inch, 8 & 12 inch), Application (Electric Vehicle (EV), Inverters, Power Supplies, Photovoltaics, RF Devices, Industrial Motor Drives, and Others), Vertical (Automotive & Transportation, Data Centers, Industrial, Renewables/Grids, Consumer Electronics, Aerospace & Defense, Medical, and Others) Country (China, Japan, South Korea, India, Taiwan, Australia, Malaysia, Singapore, Vietnam, Indonesia, Thailand, New Zealand, Philippines, Rest of Asia-Pacific) - Industry Trends and Forecast to 2031

Overview of Asia-Pacific Silicon Carbide Power Semiconductors Market Dynamics

Driver

- Advancement of silicon carbide power semiconductors

Restraint

- High cost associated with silicon carbide substrates

Opportunity

- Strategic partnership and acquisition by silicon carbide manufacturers

Market Players

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Some of the major players operating in the Asia-Pacific silicon carbide power semiconductors market are:

- Infineon Technologies AG
- STMicroelectronics
- WOLFSPEED, INC.
- Renesas Electronics Corporation
- Semiconductor Components Industries, LLC
- Mitsubishi Electric Corporation
- ROHM CO., LTD.
- Qorvo, Inc
- Nexperia
- TOSHIBA CORPORATION
- Allegro MicroSystems, Inc.
- GeneSiC Semiconductor Inc.
- Fuji Electric Co., Ltd
- Vishay Intertechnology, Inc.
- Hitachi Power Semiconductor Device, Ltd.
- Littelfuse, Inc.
- Texas Instruments Incorporated.
- Microchip Technology Inc.
- Semikron Danfoss
- WeEn Semiconductors
- Solitron Devices, Inc.
- SemiQ Inc.
- Xiamen Powerway Advanced Material
- MaxPower Semiconductor

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