

Global Surface Mount Power Factor Correction Controller Supply, Demand and Key Producers, 2023-2029

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Abstracts

The global Surface Mount Power Factor Correction Controller market size is expected to reach \$ million by 2029, rising at a market growth of % CAGR during the forecast period (2023-2029).

A surface mount power factor correction controller is a power factor correction controller integrated in a surface mount package. Different from traditional DIP (dual in-line) packaged power factor correction controllers, SMPFC controllers use surface mount technology and can be directly soldered on the surface of a printed circuit board (PCB), making the power circuit board design more compact and Simple, improving manufacturing efficiency and reliability. The working principle of the SMPFC controller is similar to other power factor correction controllers, mainly including multiple functional modules such as current sampling, power factor calculation, PWM control, feedback regulation, and protection. It can accept the voltage and current signals of the input AC power supply, and control the on and off of the power switching device (such as MOSFET) by controlling the duty cycle of the PWM signal, so as to realize the adjustment and correction of the output DC voltage and power factor. SMPFC controller has the advantages of small size, light weight, easy installation, strong anti-interference ability, etc. It can be widely used in various power electronic equipment that requires power factor correction, such as LED lighting, TV sets, computers, industrial power supplies, etc. It should be noted that the SMPFC controller usually needs to be used together with other power electronic components and devices, such as filter capacitors, inductors, power switch tubes, etc., to achieve the complete design and stable operation of the power circuit.

This report studies the global Surface Mount Power Factor Correction Controller

production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Surface Mount Power Factor Correction Controller, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Surface Mount Power Factor Correction Controller that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Surface Mount Power Factor Correction Controller total production and demand, 2018-2029, (K Units)

Global Surface Mount Power Factor Correction Controller total production value, 2018-2029, (USD Million)

Global Surface Mount Power Factor Correction Controller production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Surface Mount Power Factor Correction Controller consumption by region & country, CAGR, 2018-2029 & (K Units)

U.S. VS China: Surface Mount Power Factor Correction Controller domestic production, consumption, key domestic manufacturers and share

Global Surface Mount Power Factor Correction Controller production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (K Units)

Global Surface Mount Power Factor Correction Controller production by Type, production, value, CAGR, 2018-2029, (USD Million) & (K Units)

Global Surface Mount Power Factor Correction Controller production by Application production, value, CAGR, 2018-2029, (USD Million) & (K Units)

This reports profiles key players in the global Surface Mount Power Factor Correction Controller 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 Alpha & Omega

Semiconductor Inc., Analog Devices Inc., Cirrus Logic Inc., Diodes Incorporated, Fremont Micro Devices Ltd, Infineon Technologies, Microsemi Corporation, Monolithic Power Systems Inc. and NXP USA Inc., etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Surface Mount Power Factor Correction Controller market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global Surface Mount Power Factor Correction Controller Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Surface Mount Power Factor Correction Controller Market, Segmentation by Type

Intermittent Conduction

Continuous Conduction

Global Surface Mount Power Factor Correction Controller Market, Segmentation by Application

Consumer Electronics

Industrial

Illumination

Other

Companies Profiled:

Alpha & Omega Semiconductor Inc.

Analog Devices Inc.

Cirrus Logic Inc.

Diodes Incorporated

Fremont Micro Devices Ltd

Infineon Technologies

Microsemi Corporation

Monolithic Power Systems Inc.

NXP USA Inc.

onsemi

Power Integrations

Renesas Electronics America Inc

Richtek USA Inc.

Rohm Semiconductor

Sanken

STMicroelectronics

Texas Instruments

Toshiba Semiconductor and Storage

Key Questions Answered

1. How big is the global Surface Mount Power Factor Correction Controller market?
2. What is the demand of the global Surface Mount Power Factor Correction Controller market?
3. What is the year over year growth of the global Surface Mount Power Factor Correction Controller market?
4. What is the production and production value of the global Surface Mount Power Factor Correction Controller market?
5. Who are the key producers in the global Surface Mount Power Factor Correction Controller market?
6. What are the growth factors driving the market demand?

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