

# Global Secondary Synchronous Rectification IC Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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## Abstracts

According to our (Global Info Research) latest study, the global Secondary Synchronous Rectification IC market size was valued at US\$ 402 million in 2025 and is forecast to a readjusted size of US\$ 643 million by 2032 with a CAGR of 7.2% during review period.

Secondary Synchronous Rectification ICs (SSRCs) are specialized control chips used in the secondary-side rectification stage of isolated switching power supplies. They achieve synchronous rectification by detecting the polarity of the transformer's secondary voltage or current and driving an external MOSFET, replacing Schottky diodes. This significantly reduces conduction losses and reverse recovery losses, improves overall efficiency, and lowers temperature rise. They are widely used in adapters, fast chargers, communication power supplies, server power supplies, industrial power supplies, medical power supplies, and automotive isolated power supplies with flyback, forward, and LLC topologies. In 2025, global sales of secondary-side SSRC ICs were approximately 1.56 billion units, with an average unit price of approximately US\$0.21 and a capacity utilization rate of approximately 83%. The upstream mainly consists of wafer foundries and packaging and testing companies, analog and high-voltage BCD process platform suppliers, lead frame and packaging material suppliers, and testing and reliability verification service providers. The downstream includes switching power supply solution companies, power module manufacturers, charger and adapter ODMs, communication and data center power supply manufacturers, industrial power supply manufacturers, medical equipment power supply suppliers, and automotive electronic power supply Tier 1 suppliers. The industry's gross profit margin is approximately 45%. In the product cost structure, wafer manufacturing and packaging account for approximately 40%, packaging materials and

lead frames for approximately 9%, testing and reliability verification for approximately 9%, R&D and application engineering amortization for approximately 21%, channel and sales expenses for approximately 11%, and management and logistics expenses for approximately 10%. The demand list mainly includes fast charging adapters and chargers, high-efficiency TV and monitor power supplies, server and communication power modules, industrial DIN rail power supplies, medical power supplies, and automotive isolated DC power supplies. Downstream customers include leading power supply ODMs and solution companies, communication power equipment manufacturers, server power supply manufacturers, industrial power supply manufacturers, medical equipment power supply suppliers, and automotive electronic power system suppliers. Business opportunities arise from energy efficiency regulations and carbon reduction policies, the evolution of chargers and adapters towards higher power density and lower temperature rise, upgrades to synchronous rectification and quasi-resonant flyback and LLC platform technologies, and changing consumer demands from end customers for smaller size, lower heat generation, higher reliability, and lower overall electricity costs.

This report is a detailed and comprehensive analysis for global Secondary Synchronous Rectification IC market. Both quantitative and qualitative analyses are presented by manufacturers, 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 2025, are provided.

### **Key Features:**

Global Secondary Synchronous Rectification IC market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Secondary Synchronous Rectification IC market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Secondary Synchronous Rectification IC market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global Secondary Synchronous Rectification IC market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2021-2026

### **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 Secondary Synchronous Rectification IC
- 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 Secondary Synchronous Rectification IC market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include NXP, Renesas, TI, STMicroelectronics, ADI, Nexperia, ROHM, Onsemi, MPS, Minebea Mitsumi, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

### **Market Segmentation**

Secondary Synchronous Rectification IC market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value 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

Controller

Driver

Other

Market segment by Maximum Switching Frequency

Maximum Switching Frequency: Below 100 kHz

Maximum Switching Frequency: 100-150 kHz

Maximum Switching Frequency: Above 150 kHz

#### Market segment by VCC OVP

VCC OVP: Below 40 V

VCC OVP: 40-60 V

VCC OVP: 60-80 V

VCC OVP: Above 80 V

#### Market segment by Application

Consumer Electronics

Industrial Power

Telecom

Medical

Automotives

Other

#### Major players covered

NXP

Renesas

TI

STMicroelectronics

ADI

Nexperia

ROHM

Onsemi

MPS

Minebea Mitsumi

Kiwi Instruments

Hynetek Semiconductor

Zhuhai iSmartWare Technology

Deep-pool

Huayuan Semi

Shenzhen Jingdao Electronic

Market segment by region, regional analysis covers  
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 Secondary Synchronous Rectification IC product scope, market

*Global Secondary Synchronous Rectification IC Market 2026 by Manufacturers, Regions, Type and Application, For...*

overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Secondary Synchronous Rectification IC, with price, sales quantity, revenue, and global market share of Secondary Synchronous Rectification IC from 2021 to 2026.

Chapter 3, the Secondary Synchronous Rectification IC competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Secondary Synchronous Rectification IC breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026. and Secondary Synchronous Rectification IC market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Secondary Synchronous Rectification IC.

Chapter 14 and 15, to describe Secondary Synchronous Rectification IC sales channel, distributors, customers, research findings and conclusion.

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