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Global Switched-Capacitor Battery Charger ICs Market Growth 2026-2032

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Abstracts

The global Switched-Capacitor Battery Charger ICs market size is predicted to grow from US$ 372 million in 2025 to US$ 753 million in 2032; it is expected to grow at a CAGR of 10.2% from 2026 to 2032.

In 2025, global sales of Switched-Capacitor Battery Charger ICs reached approximately 390 million units, with an average market price of about USD 0.97 unit, an annual production capacity of roughly 420 million units, and an industry-average gross margin of approximately 40%.

Switched-Capacitor Battery Charger ICs are high-efficiency battery charging integrated circuits that use flying capacitors, power switch arrays, and fixed or configurable conversion ratios to transfer power from an input source to lithium-ion or lithium-polymer batteries. These devices are commonly designed for high-power direct charging, parallel charging, and charge-pump fast-charging architectures in portable electronics. Typical operating modes include 2:1, 3:1, 4:1, and 1:1 bypass configurations, allowing the system to reduce cable current, improve conversion efficiency, manage thermal rise, and deliver high charging current to the battery. A modern switched-capacitor charger IC usually integrates digital control, I2C communication, ADC monitoring, over-voltage and over-current protection, thermal regulation, reverse-blocking functions, and external protection FET control. This research focuses on switched-capacitor battery charging ICs used in smartphones, tablets, power banks, wireless charging receivers, mobile IoT devices, and other high-power portable electronics, where compactness, charging efficiency, thermal performance, and compatibility with USB PD PPS, UFCS, proprietary fast-charging protocols, and wireless fast-charging systems are key design requirements.

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United States market for Switched-Capacitor Battery Charger ICs is estimated to increase from US$ million in 2025 to US$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Switched-Capacitor Battery Charger ICs is estimated to increase from US$ million in 2025 to US$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Switched-Capacitor Battery Charger ICs is estimated to increase from US$ million in 2025 to US$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Switched-Capacitor Battery Charger ICs players cover Southchip Semiconductor Technology (Shanghai) Co., Ltd., Texas Instruments Incorporated, Richtek Technology Corporation, NXP Semiconductors N.V., SG Micro Corp, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LP Information, Inc. (LPI) ' newest research report, the “Switched-Capacitor Battery Charger ICs Industry Forecast” looks at past sales and reviews total world Switched-Capacitor Battery Charger ICs sales in 2025, providing a comprehensive analysis by region and market sector of projected Switched-Capacitor Battery Charger ICs sales for 2026 through 2032. With Switched-Capacitor Battery Charger ICs sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US$ millions of the world Switched-Capacitor Battery Charger ICs industry.

This Insight Report provides a comprehensive analysis of the global Switched-Capacitor Battery Charger ICs landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Switched-Capacitor Battery Charger ICs portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms’ unique position in an accelerating global Switched-Capacitor Battery Charger ICs market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Switched-Capacitor Battery Charger ICs and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly

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nuanced view of the current state and future trajectory in the global Switched-Capacitor Battery Charger ICs.

This report presents a comprehensive overview, market shares, and growth opportunities of Switched-Capacitor Battery Charger ICs market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

2:1 Switched-Capacitor Charger

3:1 Switched-Capacitor Charger

4:1 Switched-Capacitor Charger

Segmentation by Battery:

1S Battery

2S Battery

Segmentation by Application:

Smartphones

Tablets

Power Banks

Others

This report also splits the market by region:

Americas

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United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

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Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Southchip Semiconductor Technology (Shanghai) Co., Ltd.

Texas Instruments Incorporated

Richtek Technology Corporation

NXP Semiconductors N.V.

SG Micro Corp

Analog Devices, Inc.

Halo Microelectronics Co., Ltd.

Monolithic Power Systems, Inc.

NuVolta Technologies

ConvenientPower Systems

Wuxi ETEK Micro-Electronics Co., Ltd.

Awinic Technology Co., Ltd.

Key Questions Addressed in this Report

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What is the 10-year outlook for the global Switched-Capacitor Battery Charger ICs market?

What factors are driving Switched-Capacitor Battery Charger ICs market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Switched-Capacitor Battery Charger ICs market opportunities vary by end market size?

How does Switched-Capacitor Battery Charger ICs break out by Type, by Application?

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