

Battery Charging IC Market By Product Type (Linear Battery Chargers, Switching Battery Chargers, ?Module Battery Chargers, Pulse Battery Chargers, SMBus/I2C/SPI Controlled Battery Chargers, Buck/Boost Battery Chargers, Li-Ion/Li-Polymer Battery, Lead Acid Battery, Others), By End User (Consumer Electronics, Energy and Power, Automotive, Others) : Global Opportunity Analysis and Industry Forecast, 2024-2032

<https://marketpublishers.com/r/B1B143FCEDA2EN.html>

Date: June 2024

Pages: 250

Price: US\$ 2,493.00 (Single User License)

ID: B1B143FCEDA2EN

Abstracts

The Global Battery Charging IC Market was valued at \$7.7 billion in 2023, and is projected to reach \$17.0 billion by 2032, growing at a CAGR of 9.2% from 2024 to 2032.

A battery charger IC, or integrated circuit, is a semiconductor device designed to regulate and control the charging of rechargeable batteries. This chip is commonly found in portable electronic devices such as smartphones, tablets, and laptops, where reliable power is essential. The main function of a battery charger IC is to regulate the flow of current from an external power source, such as a wall adapter or USB port, to the battery being charged. The charging process consists of multiple stages, including initial current, constant voltage, and trickle charging. The battery charger IC carefully monitors and controls each stage to ensure safe and efficient charging.

The growth of the battery charging IC market is driven by supportive government measures, such as renewable energy subsidies and carbon pricing. These incentives and regulations create a favorable environment for the market by encouraging

businesses and consumers to adopt renewable energy solutions. Furthermore, carbon pricing initiatives incentivize the adoption of energy-efficient technologies such as battery charging ICs by imposing costs on carbon emissions, pushing organizations to seek cleaner energy alternatives. Therefore, supportive government policies accelerate the transition toward sustainable energy and stimulate market growth for battery charging ICs, contributing to a greener and more efficient energy ecosystem.

However, technical limitations, such as charging speed, efficiency, and heat management, hinder the growth of the market. Slow charging speeds inconvenience users, making electric solutions less appealing compared to traditional counterparts. Contrarily, rise in demand for electric vehicles (EVs) and hybrid electric vehicles drives the market growth. As the global automotive industry transitions toward electrification, there is a rising demand for efficient charging solutions to power EV batteries. Battery charging ICs play a crucial role in managing the charging process, ensuring safety, efficiency, and battery longevity. The sale of electric cars raised to 2 million in the first quarter of 2022, which is 75% of the same quarter of 2021. These vehicles are dependent on rechargeable batteries, thus creating demand for battery charging IC.

Segmentation Overview

The battery charging IC market is segmented into product type, end user, and region. Depending on product type, the market is classified into linear battery chargers, switching battery chargers, module battery chargers, pulse battery chargers, SMBus/I2C/SPI controlled battery chargers, buck/boost battery chargers, Li-Ion/Li-polymer battery, lead acid battery, and others. By end user, it is categorized into consumer electronics, energy and power, automotive, and others. Region wise, the market is analyzed across Latin America, Asia-Pacific, Europe, Middle East and Africa, and North America.

Key Findings

Depending on product type, the Li-Ion/Li-polymer battery segment accounted for maximum of share in 2023.

By end user, the consumer electronics segment held the highest share in the market in 2023.

Region wise, Asia-Pacific dominated the battery charging IC market in 2023.

Competitive Scenario

The major battery charging IC manufacturers are Texas Instruments Incorporated, NXP Semiconductors, Analog Devices, Renesas Electronics Corporation, Toshiba Corporation, Vishay, STMicroelectronics, Microchip Technology, Maxim Integrated, and ON Semiconductor. Other players in the industry include Diodes Incorporated, Rohm Co, Ltd., and Torex Semiconductor Ltd. These players have adopted several strategies, including mergers & acquisitions, new product development & innovation, partnerships, and collaborations, to maintain their foothold in the market.

Additional benefits you will get with this purchase are:

Quarterly Update and* (only available with a corporate license, on listed price)

5 additional Company Profile of client Choice pre- or Post-purchase, as a free update.

Free Upcoming Version on the Purchase of Five and Enterprise User License.

16 analyst hours of support* (post-purchase, if you find additional data requirements upon review of the report, you may receive support amounting to 16 analyst hours to solve questions, and post-sale queries)

15% Free Customization* (in case the scope or segment of the report does not match your requirements, 15% is equivalent to 3 working days of free work, applicable once)

Free data Pack on the Five and Enterprise User License. (Excel version of the report)

Free Updated report if the report is 6-12 months old or older.

24-hour priority response*

Free Industry updates and white papers.

Possible Customization with this report (with additional cost and timeline, please talk to the sales executive to know more)

Global Market Strategy

Regulatory Guidelines

Key Market Segments

By Product Type

Linear Battery Chargers

Switching Battery Chargers

Module Battery Chargers

Pulse Battery Chargers

SMBus/I2C/SPI Controlled Battery Chargers

Buck/Boost Battery Chargers

Li-Ion/Li-Polymer Battery

Lead Acid Battery

Others

By End User

Consumer Electronics

Energy and Power

Automotive

Others

By Region

North America

U.S.

Canada

Mexico

Europe

France

Germany

Italy

Spain

UK

Rest of Europe

Asia-Pacific

China

Japan

India

South Korea

Australia

Rest of Asia-Pacific

LAMEA

Latin America

Middle East

Africa

Key Market Players

Texas Instruments Incorporated

NXP Semiconductors

Analog Devices

Renesas Electronics Corporation

Toshiba Corporation

Vishay

STMicroelectronics

Microchip Technology

Maxim Integrated

ON Semiconductor

Contents

CHAPTER 1: INTRODUCTION

- 1.1. Report Description
- 1.2. Key Market Segments
- 1.3. Key Benefits
- 1.4. Research Methodology
 - 1.4.1. Primary Research
 - 1.4.2. Secondary Research
 - 1.4.3. Analyst Tools and Models

CHAPTER 2: EXECUTIVE SUMMARY

- 2.1. CXO Perspective

CHAPTER 3: MARKET LANDSCAPE

- 3.1. Market Definition and Scope
- 3.2. Key Findings
 - 3.2.1. Top Investment Pockets
 - 3.2.2. Top Winning Strategies
- 3.3. Porter's Five Forces Analysis
 - 3.3.1. Bargaining Power of Suppliers
 - 3.3.2. Threat of New Entrants
 - 3.3.3. Threat of Substitutes
 - 3.3.4. Competitive Rivalry
 - 3.3.5. Bargaining Power among Buyers
- 3.5. Market Dynamics
 - 3.5.1. Drivers
 - 3.5.2. Restraints
 - 3.5.3. Opportunities

CHAPTER 4: ARM MICROCONTROLLERS MARKET, BY PRODUCT

- 4.1. Market Overview
 - 4.1.1 Market Size and Forecast, By Product
- 4.2. Less Than 80 Pins
 - 4.2.1. Key Market Trends, Growth Factors and Opportunities

- 4.2.2. Market Size and Forecast, By Region
- 4.2.3. Market Share Analysis, By Country
- 4.3. 80-120 Pins
 - 4.3.1. Key Market Trends, Growth Factors and Opportunities
 - 4.3.2. Market Size and Forecast, By Region
 - 4.3.3. Market Share Analysis, By Country
- 4.4. More Than 120 Pins
 - 4.4.1. Key Market Trends, Growth Factors and Opportunities
 - 4.4.2. Market Size and Forecast, By Region
 - 4.4.3. Market Share Analysis, By Country

CHAPTER 5: ARM MICROCONTROLLERS MARKET, BY APPLICATION

- 5.1. Market Overview
 - 5.1.1 Market Size and Forecast, By Application
- 5.2. Automotive
 - 5.2.1. Key Market Trends, Growth Factors and Opportunities
 - 5.2.2. Market Size and Forecast, By Region
 - 5.2.3. Market Share Analysis, By Country
- 5.3. Industrial
 - 5.3.1. Key Market Trends, Growth Factors and Opportunities
 - 5.3.2. Market Size and Forecast, By Region
 - 5.3.3. Market Share Analysis, By Country
- 5.4. Consumer Electronics
 - 5.4.1. Key Market Trends, Growth Factors and Opportunities
 - 5.4.2. Market Size and Forecast, By Region
 - 5.4.3. Market Share Analysis, By Country
- 5.5. Telecommunication
 - 5.5.1. Key Market Trends, Growth Factors and Opportunities
 - 5.5.2. Market Size and Forecast, By Region
 - 5.5.3. Market Share Analysis, By Country
- 5.6. Medical
 - 5.6.1. Key Market Trends, Growth Factors and Opportunities
 - 5.6.2. Market Size and Forecast, By Region
 - 5.6.3. Market Share Analysis, By Country
- 5.7. Others
 - 5.7.1. Key Market Trends, Growth Factors and Opportunities
 - 5.7.2. Market Size and Forecast, By Region
 - 5.7.3. Market Share Analysis, By Country

CHAPTER 6: ARM MICROCONTROLLERS MARKET, BY REGION

6.1. Market Overview

6.1.1 Market Size and Forecast, By Region

6.2. North America

6.2.1. Key Market Trends and Opportunities

6.2.2. Market Size and Forecast, By Product

6.2.3. Market Size and Forecast, By Application

6.2.4. Market Size and Forecast, By Country

6.2.5. U.S. ARM Microcontrollers Market

6.2.5.1. Market Size and Forecast, By Product

6.2.5.2. Market Size and Forecast, By Application

6.2.6. Canada ARM Microcontrollers Market

6.2.6.1. Market Size and Forecast, By Product

6.2.6.2. Market Size and Forecast, By Application

6.2.7. Mexico ARM Microcontrollers Market

6.2.7.1. Market Size and Forecast, By Product

6.2.7.2. Market Size and Forecast, By Application

6.3. Europe

6.3.1. Key Market Trends and Opportunities

6.3.2. Market Size and Forecast, By Product

6.3.3. Market Size and Forecast, By Application

6.3.4. Market Size and Forecast, By Country

6.3.5. France ARM Microcontrollers Market

6.3.5.1. Market Size and Forecast, By Product

6.3.5.2. Market Size and Forecast, By Application

6.3.6. Germany ARM Microcontrollers Market

6.3.6.1. Market Size and Forecast, By Product

6.3.6.2. Market Size and Forecast, By Application

6.3.7. Spain ARM Microcontrollers Market

6.3.7.1. Market Size and Forecast, By Product

6.3.7.2. Market Size and Forecast, By Application

6.3.8. UK ARM Microcontrollers Market

6.3.8.1. Market Size and Forecast, By Product

6.3.8.2. Market Size and Forecast, By Application

6.3.9. Rest of Europe ARM Microcontrollers Market

6.3.9.1. Market Size and Forecast, By Product

6.3.9.2. Market Size and Forecast, By Application

6.4. Asia-Pacific

6.4.1. Key Market Trends and Opportunities

6.4.2. Market Size and Forecast, By Product

6.4.3. Market Size and Forecast, By Application

6.4.4. Market Size and Forecast, By Country

6.4.5. China ARM Microcontrollers Market

6.4.5.1. Market Size and Forecast, By Product

6.4.5.2. Market Size and Forecast, By Application

6.4.6. Japan ARM Microcontrollers Market

6.4.6.1. Market Size and Forecast, By Product

6.4.6.2. Market Size and Forecast, By Application

6.4.7. India ARM Microcontrollers Market

6.4.7.1. Market Size and Forecast, By Product

6.4.7.2. Market Size and Forecast, By Application

6.4.8. South Korea ARM Microcontrollers Market

6.4.8.1. Market Size and Forecast, By Product

6.4.8.2. Market Size and Forecast, By Application

6.4.9. Rest of Asia-Pacific ARM Microcontrollers Market

6.4.9.1. Market Size and Forecast, By Product

6.4.9.2. Market Size and Forecast, By Application

6.5. LAMEA

6.5.1. Key Market Trends and Opportunities

6.5.2. Market Size and Forecast, By Product

6.5.3. Market Size and Forecast, By Application

6.5.4. Market Size and Forecast, By Country

6.5.5. Latin America ARM Microcontrollers Market

6.5.5.1. Market Size and Forecast, By Product

6.5.5.2. Market Size and Forecast, By Application

6.5.6. Middle East ARM Microcontrollers Market

6.5.6.1. Market Size and Forecast, By Product

6.5.6.2. Market Size and Forecast, By Application

6.5.7. Africa ARM Microcontrollers Market

6.5.7.1. Market Size and Forecast, By Product

6.5.7.2. Market Size and Forecast, By Application

CHAPTER 7: COMPETITIVE LANDSCAPE

7.1. Introduction

7.2. Top Winning Strategies

- 7.3. Product Mapping of Top 10 Player
- 7.4. Competitive Dashboard
- 7.5. Competitive Heatmap
- 7.6. Top Player Positioning, 2023

CHAPTER 8: COMPANY PROFILES

- 8.1. NXP Semiconductors N.V.
 - 8.1.1. Company Overview
 - 8.1.2. Key Executives
 - 8.1.3. Company Snapshot
 - 8.1.4. Operating Business Segments
 - 8.1.5. Product Portfolio
 - 8.1.6. Business Performance
 - 8.1.7. Key Strategic Moves and Developments
- 8.2. STMicroelectronics N.V.
 - 8.2.1. Company Overview
 - 8.2.2. Key Executives
 - 8.2.3. Company Snapshot
 - 8.2.4. Operating Business Segments
 - 8.2.5. Product Portfolio
 - 8.2.6. Business Performance
 - 8.2.7. Key Strategic Moves and Developments
- 8.3. Texas Instruments Inc
 - 8.3.1. Company Overview
 - 8.3.2. Key Executives
 - 8.3.3. Company Snapshot
 - 8.3.4. Operating Business Segments
 - 8.3.5. Product Portfolio
 - 8.3.6. Business Performance
 - 8.3.7. Key Strategic Moves and Developments
- 8.4. Analog Devices Inc.
 - 8.4.1. Company Overview
 - 8.4.2. Key Executives
 - 8.4.3. Company Snapshot
 - 8.4.4. Operating Business Segments
 - 8.4.5. Product Portfolio
 - 8.4.6. Business Performance
 - 8.4.7. Key Strategic Moves and Developments

- 8.5. Toshiba Corporation
 - 8.5.1. Company Overview
 - 8.5.2. Key Executives
 - 8.5.3. Company Snapshot
 - 8.5.4. Operating Business Segments
 - 8.5.5. Product Portfolio
 - 8.5.6. Business Performance
 - 8.5.7. Key Strategic Moves and Developments
- 8.6. Cypress Semiconductor Corporation.
 - 8.6.1. Company Overview
 - 8.6.2. Key Executives
 - 8.6.3. Company Snapshot
 - 8.6.4. Operating Business Segments
 - 8.6.5. Product Portfolio
 - 8.6.6. Business Performance
 - 8.6.7. Key Strategic Moves and Developments
- 8.7. Renesas Electronics Corporation
 - 8.7.1. Company Overview
 - 8.7.2. Key Executives
 - 8.7.3. Company Snapshot
 - 8.7.4. Operating Business Segments
 - 8.7.5. Product Portfolio
 - 8.7.6. Business Performance
 - 8.7.7. Key Strategic Moves and Developments
- 8.8. Infineon Technologies AG
 - 8.8.1. Company Overview
 - 8.8.2. Key Executives
 - 8.8.3. Company Snapshot
 - 8.8.4. Operating Business Segments
 - 8.8.5. Product Portfolio
 - 8.8.6. Business Performance
 - 8.8.7. Key Strategic Moves and Developments
- 8.9. Microchip Technology Inc.
 - 8.9.1. Company Overview
 - 8.9.2. Key Executives
 - 8.9.3. Company Snapshot
 - 8.9.4. Operating Business Segments
 - 8.9.5. Product Portfolio
 - 8.9.6. Business Performance

- 8.9.7. Key Strategic Moves and Developments
- 8.10. Analog Devices, Inc.
 - 8.10.1. Company Overview
 - 8.10.2. Key Executives
 - 8.10.3. Company Snapshot
 - 8.10.4. Operating Business Segments
 - 8.10.5. Product Portfolio
 - 8.10.6. Business Performance
 - 8.10.7. Key Strategic Moves and Developments

I would like to order

Product name: Battery Charging IC Market By Product Type (Linear Battery Chargers, Switching Battery Chargers, ?Module Battery Chargers, Pulse Battery Chargers, SMBus/I2C/SPI Controlled Battery Chargers, Buck/Boost Battery Chargers, Li-Ion/Li-Polymer Battery, Lead Acid Battery, Others), By End User (Consumer Electronics, Energy and Power, Automotive, Others) : Global Opportunity Analysis and Industry Forecast, 2024-2032

Product link: <https://marketpublishers.com/r/B1B143FCEDA2EN.html>

Price: US\$ 2,493.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/B1B143FCEDA2EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below
and fax the completed form to +44 20 7900 3970