

Global Mobile Phone Battery Protection Board 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 Mobile Phone Battery Protection Board market size was valued at US\$ 468 million in 2025 and is forecast to a readjusted size of US\$ 616 million by 2032 with a CAGR of 4.5% during review period.

A Mobile Phone Battery Protection Board is the safety and identification circuit unit inside a smartphone battery pack. It typically consists of protection ICs, MOSFETs, NTC thermistors, resistors, capacitors, FPC or PCB substrates, connectors, nickel tabs, and insulating materials. Located between the cell and the phone mainboard, it monitors voltage, current, and temperature during charging and discharging, cutting off or limiting current when overcharge, over-discharge, overcurrent, short circuit, or abnormal temperature occurs. Global Mobile Phone Battery Protection Board market in 2025 is estimated at around 1,300 million pcs, with an average factory selling price of approximately USD 0.35 per pcs. The value chain of Mobile Phone Battery Protection Boards mainly consists of upstream protection ICs, MOSFETs, NTC thermistors, resistors, capacitors, FPC or PCB substrates, etc.

The value chain of Mobile Phone Battery Protection Boards mainly consists of upstream protection ICs, MOSFETs, NTC thermistors, resistors, capacitors, FPC or PCB substrates, connectors, nickel tabs, adhesive films, and insulating materials; the midstream segment covers circuit design, SMT assembly, welding, testing, and battery-pack integration; downstream demand mainly comes from smartphone battery packs, replacement batteries, and selected small consumer-electronics batteries.

This report is a detailed and comprehensive analysis for global Mobile Phone Battery Protection Board market. Both quantitative and qualitative analyses are presented by

manufacturers, by region & country, by Type and by Sales Channel. 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 Mobile Phone Battery Protection Board market size and forecasts, in consumption value (\$ Million), sales quantity (Million Pcs), and average selling prices (US\$/Pcs), 2021-2032

Global Mobile Phone Battery Protection Board market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Million Pcs), and average selling prices (US\$/Pcs), 2021-2032

Global Mobile Phone Battery Protection Board market size and forecasts, by Type and by Sales Channel, in consumption value (\$ Million), sales quantity (Million Pcs), and average selling prices (US\$/Pcs), 2021-2032

Global Mobile Phone Battery Protection Board market shares of main players, shipments in revenue (\$ Million), sales quantity (Million Pcs), and ASP (US\$/Pcs), 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 Mobile Phone Battery Protection Board

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 Mobile Phone Battery Protection Board 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 Sunwoda, Desay Battery, ATL,

LG Energy Solution, CosMX, Grepow, Smartec, etc.

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

Market Segmentation

Mobile Phone Battery Protection Board market is split by Type and by Sales Channel. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Sales Channel in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Single-Cell PCM

Dual-Cell PCM

Multi-Tab Battery PCM

Market segment by Board Substrate

Rigid PCB Protection Board

Flexible PCB Protection Board

Rigid-Flex Protection Board

Market segment by Sales Channel

OEM Battery Pack

Aftermarket Replacement Battery

Major players covered

Sunwoda

Desay Battery

ATL

LG Energy Solution

CosMX

Grepow

Smartec

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 Mobile Phone Battery Protection Board product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Mobile Phone Battery Protection Board, with price, sales quantity, revenue, and global market share of Mobile Phone Battery Protection Board from 2021 to 2026.

Chapter 3, the Mobile Phone Battery Protection Board competitive situation, sales

quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Mobile Phone Battery Protection Board 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 Sales Channel, with sales market share and growth rate by Type, by Sales Channel, 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 Mobile Phone Battery Protection Board market forecast, by regions, by Type, and by Sales Channel, 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 Mobile Phone Battery Protection Board.

Chapter 14 and 15, to describe Mobile Phone Battery Protection Board sales channel, distributors, customers, research findings and conclusion.

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