

Global Lithium-Metal Secondary Battery Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

<https://marketpublishers.com/r/G74BA5D28ADDEN.html>

Date: September 2024

Pages: 89

Price: US\$ 3,480.00 (Single User License)

ID: G74BA5D28ADDEN

Abstracts

A lithium-metal secondary battery refers to a secondary battery using lithium metal or lithium alloy as a negative electrode. Lithium metal has a low density of 0.54 g/cm³ and a significantly low standard reduction potential of -3.045 V (SHE: based on the standard hydrogen electrode), and thus has been spotlighted best as an electrode material for a high-energy density battery.

According to our (Global Info Research) latest study, the global Lithium-Metal Secondary Battery market size was valued at US\$ 807 million in 2023 and is forecast to a readjusted size of USD 24940 million by 2030 with a CAGR of 64.0% during review period.

SolidEnergy systems (SES) is the global greatest company in Lithium-Metal Secondary Battery industry, followed by Pellion, Sion Power, PolyPlus, Ion Storage Systems, QuantumScape, OXIS Energy, COLIBRI Energy. United States is the largest Lithium-Metal Secondary Battery market with about 50% market share. China is follower, accounting for about 38% market share.

This report is a detailed and comprehensive analysis for global Lithium-Metal Secondary Battery 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 2024, are provided.

Key Features:

Global Lithium-Metal Secondary Battery market size and forecasts, in consumption value (\$ Million), sales quantity (Kwh), and average selling prices (USD/Kwh), 2019-2030

Global Lithium-Metal Secondary Battery market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Kwh), and average selling prices (USD/Kwh), 2019-2030

Global Lithium-Metal Secondary Battery market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Kwh), and average selling prices (USD/Kwh), 2019-2030

Global Lithium-Metal Secondary Battery market shares of main players, shipments in revenue (\$ Million), sales quantity (Kwh), and ASP (USD/Kwh), 2019-2024

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 Lithium-Metal Secondary Battery

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 Lithium-Metal Secondary Battery 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 SolidEnergy Systems (SES), Pellion, Sion Power, PolyPlus, Ion Storage Systems, QuantumScape, OXIS Energy, COLIBRI Energy, etc.

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

Market Segmentation

Lithium-Metal Secondary Battery market is split by Type and by Application. For the period 2019-2030, 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

Li/Intercalant Cathode

Li/Sulfur

Market segment by Application

Consumer Electronics

Medical

Transportation

Others

Major players covered

SolidEnergy Systems (SES)

Pellion

Sion Power

PolyPlus

Ion Storage Systems

QuantumScape

OXIS Energy

COLIBRI Energy

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 Lithium-Metal Secondary Battery product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Lithium-Metal Secondary Battery, with price, sales quantity, revenue, and global market share of Lithium-Metal Secondary Battery from 2019 to 2024.

Chapter 3, the Lithium-Metal Secondary Battery competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Lithium-Metal Secondary Battery breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2019 to 2030.

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 2019 to 2030.

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 2019

to 2024.and Lithium-Metal Secondary Battery market forecast, by regions, by Type, and by Application, with sales and revenue, from 2025 to 2030.

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 Lithium-Metal Secondary Battery.

Chapter 14 and 15, to describe Lithium-Metal Secondary Battery sales channel, distributors, customers, research findings and conclusion.

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