

# Global Metal-air Battery Supply, Demand and Key Producers, 2023-2029

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## Abstracts

The global Metal-air Battery market size is expected to reach \$ 643.9 million by 2029, rising at a market growth of 13.9% CAGR during the forecast period (2023-2029).

In the global market, the core manufacturers of Metal-air Battery in the global market include GP Batteries (Gold Peak), Duracell Activair, and Maxell? ect. The top three companies within this industry hold more than 50% of the market share. North America, Europe, China, Japan, and India are the main production regions of this product, of which North America and China market each accounted for about 30% of the market share. The product can be classified as zinc air battery, aluminium air battery, lithium air battery and so on according to the material. They are widely used in electronic devices, energy storage, electric vehicles and other fields.

A metal-air battery is a type of electrochemical energy storage device that utilizes a chemical reaction between a metal and oxygen from the air to generate electrical energy. It is called a metal-air battery because the anode of the battery is typically a pure metal, such as zinc, aluminum, or lithium, while the cathode is a porous material that allows air (containing oxygen) to reach the battery. Metal air battery is a kind of half energy storage and half fuel battery, which is considered as a new generation of energy storage and conversion device. Metal air battery has the advantages of good rate performance, high energy density, and low carbon sustainability. Metal-air batteries are known for their high theoretical energy densities, which means they have the potential to store more energy per unit weight compared to other types of batteries, such as lithium-ion batteries. This makes them attractive for applications that require long-lasting power, such as electric vehicles, portable electronics, and grid-scale energy storage.

This report studies the global Metal-air Battery production, demand, key manufacturers,

and key regions.

This report is a detailed and comprehensive analysis of the world market for Metal-air Battery, and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2022 as the base year. This report explores demand trends and competition, as well as details the characteristics of Metal-air Battery that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Metal-air Battery total production and demand, 2018-2029, (MWh)

Global Metal-air Battery total production value, 2018-2029, (USD Million)

Global Metal-air Battery production by region & country, production, value, CAGR, 2018-2029, (USD Million) & (MWh)

Global Metal-air Battery consumption by region & country, CAGR, 2018-2029 & (MWh)

U.S. VS China: Metal-air Battery domestic production, consumption, key domestic manufacturers and share

Global Metal-air Battery production by manufacturer, production, price, value and market share 2018-2023, (USD Million) & (MWh)

Global Metal-air Battery production by Materials, production, value, CAGR, 2018-2029, (USD Million) & (MWh)

Global Metal-air Battery production by Application production, value, CAGR, 2018-2029, (USD Million) & (MWh).

This reports profiles key players in the global Metal-air Battery market based on the following parameters – company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include GP Batteries (Gold Peak), Duracell Activair, Maxell, Panasonic, Energizer Holdings, Zinc8 Energy Solutions, NantEnergy, Polyplus Battery and Renata (Swatch), etc.

This report also provides key insights about market drivers, restraints, opportunities,

new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Metal-air Battery market.

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (MWh) and average price (US\$/KWh) by manufacturer, by Materials, and by Application. Data is given for the years 2018-2029 by year with 2022 as the base year, 2023 as the estimate year, and 2024-2029 as the forecast year.

Global Metal-air Battery Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Metal-air Battery Market, Segmentation by Materials

Zinc-air Battery

Aluminum-air Battery

Lithium-air Battery

Others

## Global Metal-air Battery Market, Segmentation by Application

Electronic Devices (hearing aid etc)

Energy Storage

Electric Vehicles

Others

## Companies Profiled:

GP Batteries (Gold Peak)

Duracell Activair

Maxell

Panasonic

Energizer Holdings

Zinc8 Energy Solutions

NantEnergy

Polyplus Battery

Renata (Swatch)

Log9 Materials

Phinergy

Thunderzee

Fuji Pigment

ZAF Energy Systems

Form Energy

### Key Questions Answered

1. How big is the global Metal-air Battery market?
2. What is the demand of the global Metal-air Battery market?
3. What is the year over year growth of the global Metal-air Battery market?
4. What is the production and production value of the global Metal-air Battery market?
5. Who are the key producers in the global Metal-air Battery market?

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