

# Hydrogen-Bromine Flow Battery Market, Global Outlook and Forecast 2022-2028

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## Abstracts

A Hydrogen-bromine Flow Battery is a rechargeable flow battery in which hydrogen bromide (HBr) serves as the system's electrolyte. During the charge cycle, as power flows into the stack, H<sub>2</sub> is generated and stored in a separate tank. Hydrogen-bromine Flow Battery incorporates a low-cost membrane and durable catalyst materials. A flow battery's membrane separates its active materials and keeps them from mixing, while the catalyst serves to speed up the chemical reactions that generate electricity. The Hydrogen/Bromine Flow Battery is a promising candidate for large-scale energy storage due to fast kinetics, highly reversible reactions and low chemical costs.

This report contains market size and forecasts of Hydrogen-Bromine Flow Battery in global, including the following market information:

Global Hydrogen-Bromine Flow Battery Market Revenue, 2017-2022, 2023-2028, (\$ millions)

Global Hydrogen-Bromine Flow Battery Market Sales, 2017-2022, 2023-2028, (MWh)

Global top five Hydrogen-Bromine Flow Battery companies in 2021 (%)

The global Hydrogen-Bromine Flow Battery market was valued at million in 2021 and is projected to reach US\$ million by 2028, at a CAGR of % during the forecast period 2022-2028.

The U.S. Market is Estimated at \$ Million in 2021, While China is Forecast to Reach \$ Million by 2028.

Residential Segment to Reach \$ Million by 2028, with a % CAGR in next six years.

The global key manufacturers of Hydrogen-Bromine Flow Battery include Elestor BV, Lawrence Berkeley National Laboratory, Enstorage Inc. and Dalian Institute of Chemical Physics, etc. In 2021, the global top five players have a share approximately % in terms of revenue.

MARKET MONITOR GLOBAL, INC (MMG) has surveyed the Hydrogen-Bromine Flow Battery manufacturers, suppliers, distributors and industry experts on this industry, involving the sales, revenue, demand, price change, product type, recent development and plan, industry trends, drivers, challenges, obstacles, and potential risks.

Total Market by Segment:

Global Hydrogen-Bromine Flow Battery Market, by Type, 2017-2022, 2023-2028 (\$ Millions) & (MWh)

Global Hydrogen-Bromine Flow Battery Market Segment Percentages, by Type, 2021 (%)

Residential

Commercial

Industrial

Others

Global Hydrogen-Bromine Flow Battery Market, by Application, 2017-2022, 2023-2028 (\$ Millions) & (MWh)

Global Hydrogen-Bromine Flow Battery Market Segment Percentages, by Application, 2021 (%)

Grid

Renewable Energy Storage

Portable Power Systems

Large-Scale Energy Storage

Others

Global Hydrogen-Bromine Flow Battery Market, By Region and Country, 2017-2022,  
2023-2028 (\$ Millions) & (MWh)

Global Hydrogen-Bromine Flow Battery Market Segment Percentages, By Region and  
Country, 2021 (%)

North America

US

Canada

Mexico

Europe

Germany

France

U.K.

Italy

Russia

Nordic Countries

Benelux

Rest of Europe

## Asia

China

Japan

South Korea

Southeast Asia

India

Rest of Asia

## South America

Brazil

Argentina

Rest of South America

## Middle East & Africa

Turkey

Israel

Saudi Arabia

UAE

Rest of Middle East & Africa

## Competitor Analysis

The report also provides analysis of leading market participants including:

Key companies Hydrogen-Bromine Flow Battery revenues in global market, 2017-2022 (Estimated), (\$ millions)

Key companies Hydrogen-Bromine Flow Battery revenues share in global market, 2021 (%)

Key companies Hydrogen-Bromine Flow Battery sales in global market, 2017-2022 (Estimated), (MWh)

Key companies Hydrogen-Bromine Flow Battery sales share in global market, 2021 (%)

Further, the report presents profiles of competitors in the market, key players include:

Elestor BV

Lawrence Berkeley National Laboratory

Enstorage Inc.

Dalian Institute of Chemical Physics

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