

# Global Solid-state Hydrogen Storage System Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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## Abstracts

According to our (Global Info Research) latest study, the global Solid-state Hydrogen Storage System market size was valued at US\$ million in 2024 and is forecast to a readjusted size of USD million by 2031 with a CAGR of %during review period.

In this report, we will assess the current U.S. tariff framework alongside international policy adaptations, analyzing their effects on competitive market structures, regional economic dynamics, and supply chain resilience.

Solid-state Hydrogen Storage Systems use materials, typically metal hydrides, to absorb and store hydrogen in a solid form, offering a safer and more energy-dense alternative to gaseous or liquid hydrogen storage. This method enables storage at lower pressures and ambient temperatures, making it ideal for stationary and certain mobile applications.

This report is a detailed and comprehensive analysis for global Solid-state Hydrogen Storage System 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 2025, are provided.

## Key Features:

Global Solid-state Hydrogen Storage System market size and forecasts, in consumption

value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Solid-state Hydrogen Storage System market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Solid-state Hydrogen Storage System market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Solid-state Hydrogen Storage System market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2020-2025

### **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 Solid-state Hydrogen Storage System
- 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 Solid-state Hydrogen Storage System 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 GKN Hydrogen, Enel Group, GRZ Technologies, METHYDOR SRL, Hydrexia, MAHYTEC, Hbank Technologies, HySA Systems, Grimat Engineering Institute, Houpu Clean Energy Group, etc.

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

### **Market Segmentation**

Solid-state Hydrogen Storage System market is split by Type and by Application. For the period 2020-2031, 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

Large Type

Small & Medium Type

## Market segment by Application

Automotive

Energy Storage

Intelligent Building

Other

## Major players covered

GKN Hydrogen

Enel Group

GRZ Technologies

METHYDOR SRL

Hydrexia

MAHYTEC

Hbank Technologies

HySA Systems

Grimat Engineering Institute

Houpu Clean Energy Group

Taiji Power Technology

H2 Store

Stargate Hydrogen

JOMI LEMAN

Harnyss

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 Solid-state Hydrogen Storage System product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Solid-state Hydrogen Storage System, with price, sales quantity, revenue, and global market share of Solid-state Hydrogen Storage System from 2020 to 2025.

Chapter 3, the Solid-state Hydrogen Storage System competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Solid-state Hydrogen Storage System breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

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 2020 to 2031.

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 2020 to 2025. and Solid-state Hydrogen Storage System market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

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 Solid-state Hydrogen Storage System.

Chapter 14 and 15, to describe Solid-state Hydrogen Storage System sales channel, distributors, customers, research findings and conclusion.

## Contents

### 1 MARKET OVERVIEW

#### 1.1 Product Overview and Scope

#### 1.2 Market Estimation Caveats and Base Year

#### 1.3 Market Analysis by Type

1.3.1 Overview: Global Solid-state Hydrogen Storage System Consumption Value by Type: 2020 Versus 2024 Versus 2031

##### 1.3.2 Large Type

##### 1.3.3 Small & Medium Type

#### 1.4 Market Analysis by Application

1.4.1 Overview: Global Solid-state Hydrogen Storage System Consumption Value by Application: 2020 Versus 2024 Versus 2031

##### 1.4.2 Automotive

##### 1.4.3 Energy Storage

##### 1.4.4 Intelligent Building

##### 1.4.5 Other

#### 1.5 Global Solid-state Hydrogen Storage System Market Size & Forecast

1.5.1 Global Solid-state Hydrogen Storage System Consumption Value (2020 & 2024 & 2031)

1.5.2 Global Solid-state Hydrogen Storage System Sales Quantity (2020-2031)

1.5.3 Global Solid-state Hydrogen Storage System Average Price (2020-2031)

### 2 MANUFACTURERS PROFILES

#### 2.1 GKN Hydrogen

##### 2.1.1 GKN Hydrogen Details

##### 2.1.2 GKN Hydrogen Major Business

##### 2.1.3 GKN Hydrogen Solid-state Hydrogen Storage System Product and Services

2.1.4 GKN Hydrogen Solid-state Hydrogen Storage System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

##### 2.1.5 GKN Hydrogen Recent Developments/Updates

#### 2.2 Enel Group

##### 2.2.1 Enel Group Details

##### 2.2.2 Enel Group Major Business

##### 2.2.3 Enel Group Solid-state Hydrogen Storage System Product and Services

2.2.4 Enel Group Solid-state Hydrogen Storage System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

- 2.2.5 Enel Group Recent Developments/Updates
- 2.3 GRZ Technologies
  - 2.3.1 GRZ Technologies Details
  - 2.3.2 GRZ Technologies Major Business
  - 2.3.3 GRZ Technologies Solid-state Hydrogen Storage System Product and Services
  - 2.3.4 GRZ Technologies Solid-state Hydrogen Storage System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
  - 2.3.5 GRZ Technologies Recent Developments/Updates
- 2.4 METHYDOR SRL
  - 2.4.1 METHYDOR SRL Details
  - 2.4.2 METHYDOR SRL Major Business
  - 2.4.3 METHYDOR SRL Solid-state Hydrogen Storage System Product and Services
  - 2.4.4 METHYDOR SRL Solid-state Hydrogen Storage System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
  - 2.4.5 METHYDOR SRL Recent Developments/Updates
- 2.5 Hydrexia
  - 2.5.1 Hydrexia Details
  - 2.5.2 Hydrexia Major Business
  - 2.5.3 Hydrexia Solid-state Hydrogen Storage System Product and Services
  - 2.5.4 Hydrexia Solid-state Hydrogen Storage System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
  - 2.5.5 Hydrexia Recent Developments/Updates
- 2.6 MAHYTEC
  - 2.6.1 MAHYTEC Details
  - 2.6.2 MAHYTEC Major Business
  - 2.6.3 MAHYTEC Solid-state Hydrogen Storage System Product and Services
  - 2.6.4 MAHYTEC Solid-state Hydrogen Storage System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
  - 2.6.5 MAHYTEC Recent Developments/Updates
- 2.7 Hbank Technologies
  - 2.7.1 Hbank Technologies Details
  - 2.7.2 Hbank Technologies Major Business
  - 2.7.3 Hbank Technologies Solid-state Hydrogen Storage System Product and Services
  - 2.7.4 Hbank Technologies Solid-state Hydrogen Storage System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
  - 2.7.5 Hbank Technologies Recent Developments/Updates
- 2.8 HySA Systems
  - 2.8.1 HySA Systems Details
  - 2.8.2 HySA Systems Major Business

- 2.8.3 HySA Systems Solid-state Hydrogen Storage System Product and Services
- 2.8.4 HySA Systems Solid-state Hydrogen Storage System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
- 2.8.5 HySA Systems Recent Developments/Updates
- 2.9 Grimat Engineering Institute
  - 2.9.1 Grimat Engineering Institute Details
  - 2.9.2 Grimat Engineering Institute Major Business
  - 2.9.3 Grimat Engineering Institute Solid-state Hydrogen Storage System Product and Services
  - 2.9.4 Grimat Engineering Institute Solid-state Hydrogen Storage System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
  - 2.9.5 Grimat Engineering Institute Recent Developments/Updates
- 2.10 Houpu Clean Energy Group
  - 2.10.1 Houpu Clean Energy Group Details
  - 2.10.2 Houpu Clean Energy Group Major Business
  - 2.10.3 Houpu Clean Energy Group Solid-state Hydrogen Storage System Product and Services
  - 2.10.4 Houpu Clean Energy Group Solid-state Hydrogen Storage System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
  - 2.10.5 Houpu Clean Energy Group Recent Developments/Updates
- 2.11 Taiji Power Technology
  - 2.11.1 Taiji Power Technology Details
  - 2.11.2 Taiji Power Technology Major Business
  - 2.11.3 Taiji Power Technology Solid-state Hydrogen Storage System Product and Services
  - 2.11.4 Taiji Power Technology Solid-state Hydrogen Storage System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
  - 2.11.5 Taiji Power Technology Recent Developments/Updates
- 2.12 H2 Store
  - 2.12.1 H2 Store Details
  - 2.12.2 H2 Store Major Business
  - 2.12.3 H2 Store Solid-state Hydrogen Storage System Product and Services
  - 2.12.4 H2 Store Solid-state Hydrogen Storage System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)
  - 2.12.5 H2 Store Recent Developments/Updates
- 2.13 Stargate Hydrogen
  - 2.13.1 Stargate Hydrogen Details
  - 2.13.2 Stargate Hydrogen Major Business
  - 2.13.3 Stargate Hydrogen Solid-state Hydrogen Storage System Product and Services



2.13.4 Stargate Hydrogen Solid-state Hydrogen Storage System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.13.5 Stargate Hydrogen Recent Developments/Updates

2.14 JOMI LEMAN

2.14.1 JOMI LEMAN Details

2.14.2 JOMI LEMAN Major Business

2.14.3 JOMI LEMAN Solid-state Hydrogen Storage System Product and Services

2.14.4 JOMI LEMAN Solid-state Hydrogen Storage System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.14.5 JOMI LEMAN Recent Developments/Updates

2.15 Harnyss

2.15.1 Harnyss Details

2.15.2 Harnyss Major Business

2.15.3 Harnyss Solid-state Hydrogen Storage System Product and Services

2.15.4 Harnyss Solid-state Hydrogen Storage System Sales Quantity, Average Price, Revenue, Gross Margin and Market Share (2020-2025)

2.15.5 Harnyss Recent Developments/Updates

### **3 COMPETITIVE ENVIRONMENT: SOLID-STATE HYDROGEN STORAGE SYSTEM BY MANUFACTURER**

3.1 Global Solid-state Hydrogen Storage System Sales Quantity by Manufacturer (2020-2025)

3.2 Global Solid-state Hydrogen Storage System Revenue by Manufacturer (2020-2025)

3.3 Global Solid-state Hydrogen Storage System Average Price by Manufacturer (2020-2025)

3.4 Market Share Analysis (2024)

3.4.1 Producer Shipments of Solid-state Hydrogen Storage System by Manufacturer Revenue (\$MM) and Market Share (%): 2024

3.4.2 Top 3 Solid-state Hydrogen Storage System Manufacturer Market Share in 2024

3.4.3 Top 6 Solid-state Hydrogen Storage System Manufacturer Market Share in 2024

3.5 Solid-state Hydrogen Storage System Market: Overall Company Footprint Analysis

3.5.1 Solid-state Hydrogen Storage System Market: Region Footprint

3.5.2 Solid-state Hydrogen Storage System Market: Company Product Type Footprint

3.5.3 Solid-state Hydrogen Storage System Market: Company Product Application Footprint

3.6 New Market Entrants and Barriers to Market Entry

3.7 Mergers, Acquisition, Agreements, and Collaborations

## **4 CONSUMPTION ANALYSIS BY REGION**

### **4.1 Global Solid-state Hydrogen Storage System Market Size by Region**

4.1.1 Global Solid-state Hydrogen Storage System Sales Quantity by Region  
(2020-2031)

4.1.2 Global Solid-state Hydrogen Storage System Consumption Value by Region  
(2020-2031)

4.1.3 Global Solid-state Hydrogen Storage System Average Price by Region  
(2020-2031)

4.2 North America Solid-state Hydrogen Storage System Consumption Value  
(2020-2031)

4.3 Europe Solid-state Hydrogen Storage System Consumption Value (2020-2031)

4.4 Asia-Pacific Solid-state Hydrogen Storage System Consumption Value (2020-2031)

4.5 South America Solid-state Hydrogen Storage System Consumption Value  
(2020-2031)

4.6 Middle East & Africa Solid-state Hydrogen Storage System Consumption Value  
(2020-2031)

## **5 MARKET SEGMENT BY TYPE**

5.1 Global Solid-state Hydrogen Storage System Sales Quantity by Type (2020-2031)

5.2 Global Solid-state Hydrogen Storage System Consumption Value by Type  
(2020-2031)

5.3 Global Solid-state Hydrogen Storage System Average Price by Type (2020-2031)

## **6 MARKET SEGMENT BY APPLICATION**

6.1 Global Solid-state Hydrogen Storage System Sales Quantity by Application  
(2020-2031)

6.2 Global Solid-state Hydrogen Storage System Consumption Value by Application  
(2020-2031)

6.3 Global Solid-state Hydrogen Storage System Average Price by Application  
(2020-2031)

## **7 NORTH AMERICA**

7.1 North America Solid-state Hydrogen Storage System Sales Quantity by Type  
(2020-2031)

7.2 North America Solid-state Hydrogen Storage System Sales Quantity by Application (2020-2031)

7.3 North America Solid-state Hydrogen Storage System Market Size by Country

7.3.1 North America Solid-state Hydrogen Storage System Sales Quantity by Country (2020-2031)

7.3.2 North America Solid-state Hydrogen Storage System Consumption Value by Country (2020-2031)

7.3.3 United States Market Size and Forecast (2020-2031)

7.3.4 Canada Market Size and Forecast (2020-2031)

7.3.5 Mexico Market Size and Forecast (2020-2031)

## **8 EUROPE**

8.1 Europe Solid-state Hydrogen Storage System Sales Quantity by Type (2020-2031)

8.2 Europe Solid-state Hydrogen Storage System Sales Quantity by Application (2020-2031)

8.3 Europe Solid-state Hydrogen Storage System Market Size by Country

8.3.1 Europe Solid-state Hydrogen Storage System Sales Quantity by Country (2020-2031)

8.3.2 Europe Solid-state Hydrogen Storage System Consumption Value by Country (2020-2031)

8.3.3 Germany Market Size and Forecast (2020-2031)

8.3.4 France Market Size and Forecast (2020-2031)

8.3.5 United Kingdom Market Size and Forecast (2020-2031)

8.3.6 Russia Market Size and Forecast (2020-2031)

8.3.7 Italy Market Size and Forecast (2020-2031)

## **9 ASIA-PACIFIC**

9.1 Asia-Pacific Solid-state Hydrogen Storage System Sales Quantity by Type (2020-2031)

9.2 Asia-Pacific Solid-state Hydrogen Storage System Sales Quantity by Application (2020-2031)

9.3 Asia-Pacific Solid-state Hydrogen Storage System Market Size by Region

9.3.1 Asia-Pacific Solid-state Hydrogen Storage System Sales Quantity by Region (2020-2031)

9.3.2 Asia-Pacific Solid-state Hydrogen Storage System Consumption Value by Region (2020-2031)

9.3.3 China Market Size and Forecast (2020-2031)

- 9.3.4 Japan Market Size and Forecast (2020-2031)
- 9.3.5 South Korea Market Size and Forecast (2020-2031)
- 9.3.6 India Market Size and Forecast (2020-2031)
- 9.3.7 Southeast Asia Market Size and Forecast (2020-2031)
- 9.3.8 Australia Market Size and Forecast (2020-2031)

## **10 SOUTH AMERICA**

- 10.1 South America Solid-state Hydrogen Storage System Sales Quantity by Type (2020-2031)
- 10.2 South America Solid-state Hydrogen Storage System Sales Quantity by Application (2020-2031)
- 10.3 South America Solid-state Hydrogen Storage System Market Size by Country
  - 10.3.1 South America Solid-state Hydrogen Storage System Sales Quantity by Country (2020-2031)
  - 10.3.2 South America Solid-state Hydrogen Storage System Consumption Value by Country (2020-2031)
  - 10.3.3 Brazil Market Size and Forecast (2020-2031)
  - 10.3.4 Argentina Market Size and Forecast (2020-2031)

## **11 MIDDLE EAST & AFRICA**

- 11.1 Middle East & Africa Solid-state Hydrogen Storage System Sales Quantity by Type (2020-2031)
- 11.2 Middle East & Africa Solid-state Hydrogen Storage System Sales Quantity by Application (2020-2031)
- 11.3 Middle East & Africa Solid-state Hydrogen Storage System Market Size by Country
  - 11.3.1 Middle East & Africa Solid-state Hydrogen Storage System Sales Quantity by Country (2020-2031)
  - 11.3.2 Middle East & Africa Solid-state Hydrogen Storage System Consumption Value by Country (2020-2031)
  - 11.3.3 Turkey Market Size and Forecast (2020-2031)
  - 11.3.4 Egypt Market Size and Forecast (2020-2031)
  - 11.3.5 Saudi Arabia Market Size and Forecast (2020-2031)
  - 11.3.6 South Africa Market Size and Forecast (2020-2031)

## **12 MARKET DYNAMICS**

- 12.1 Solid-state Hydrogen Storage System Market Drivers

12.2 Solid-state Hydrogen Storage System Market Restraints

12.3 Solid-state Hydrogen Storage System Trends Analysis

12.4 Porters Five Forces Analysis

12.4.1 Threat of New Entrants

12.4.2 Bargaining Power of Suppliers

12.4.3 Bargaining Power of Buyers

12.4.4 Threat of Substitutes

12.4.5 Competitive Rivalry

## **13 RAW MATERIAL AND INDUSTRY CHAIN**

13.1 Raw Material of Solid-state Hydrogen Storage System and Key Manufacturers

13.2 Manufacturing Costs Percentage of Solid-state Hydrogen Storage System

13.3 Solid-state Hydrogen Storage System Production Process

13.4 Industry Value Chain Analysis

## **14 SHIPMENTS BY DISTRIBUTION CHANNEL**

14.1 Sales Channel

14.1.1 Direct to End-User

14.1.2 Distributors

14.2 Solid-state Hydrogen Storage System Typical Distributors

14.3 Solid-state Hydrogen Storage System Typical Customers

## **15 RESEARCH FINDINGS AND CONCLUSION**

## **16 APPENDIX**

16.1 Methodology

16.2 Research Process and Data Source

16.3 Disclaimer

## List Of Tables

### LIST OF TABLES

Table 1. Global Solid-state Hydrogen Storage System Consumption Value by Type, (USD Million), 2020 & 2024 & 2031

Table 2. Global Solid-state Hydrogen Storage System Consumption Value by Application, (USD Million), 2020 & 2024 & 2031

Table 3. GKN Hydrogen Basic Information, Manufacturing Base and Competitors

Table 4. GKN Hydrogen Major Business

Table 5. GKN Hydrogen Solid-state Hydrogen Storage System Product and Services

Table 6. GKN Hydrogen Solid-state Hydrogen Storage System Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 7. GKN Hydrogen Recent Developments/Updates

Table 8. Enel Group Basic Information, Manufacturing Base and Competitors

Table 9. Enel Group Major Business

Table 10. Enel Group Solid-state Hydrogen Storage System Product and Services

Table 11. Enel Group Solid-state Hydrogen Storage System Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 12. Enel Group Recent Developments/Updates

Table 13. GRZ Technologies Basic Information, Manufacturing Base and Competitors

Table 14. GRZ Technologies Major Business

Table 15. GRZ Technologies Solid-state Hydrogen Storage System Product and Services

Table 16. GRZ Technologies Solid-state Hydrogen Storage System Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 17. GRZ Technologies Recent Developments/Updates

Table 18. METHYDOR SRL Basic Information, Manufacturing Base and Competitors

Table 19. METHYDOR SRL Major Business

Table 20. METHYDOR SRL Solid-state Hydrogen Storage System Product and Services

Table 21. METHYDOR SRL Solid-state Hydrogen Storage System Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 22. METHYDOR SRL Recent Developments/Updates

Table 23. Hydrexia Basic Information, Manufacturing Base and Competitors



Table 24. Hydrexia Major Business

Table 25. Hydrexia Solid-state Hydrogen Storage System Product and Services

Table 26. Hydrexia Solid-state Hydrogen Storage System Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 27. Hydrexia Recent Developments/Updates

Table 28. MAHYTEC Basic Information, Manufacturing Base and Competitors

Table 29. MAHYTEC Major Business

Table 30. MAHYTEC Solid-state Hydrogen Storage System Product and Services

Table 31. MAHYTEC Solid-state Hydrogen Storage System Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 32. MAHYTEC Recent Developments/Updates

Table 33. Hbank Technologies Basic Information, Manufacturing Base and Competitors

Table 34. Hbank Technologies Major Business

Table 35. Hbank Technologies Solid-state Hydrogen Storage System Product and Services

Table 36. Hbank Technologies Solid-state Hydrogen Storage System Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 37. Hbank Technologies Recent Developments/Updates

Table 38. HySA Systems Basic Information, Manufacturing Base and Competitors

Table 39. HySA Systems Major Business

Table 40. HySA Systems Solid-state Hydrogen Storage System Product and Services

Table 41. HySA Systems Solid-state Hydrogen Storage System Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 42. HySA Systems Recent Developments/Updates

Table 43. Grimat Engineering Institute Basic Information, Manufacturing Base and Competitors

Table 44. Grimat Engineering Institute Major Business

Table 45. Grimat Engineering Institute Solid-state Hydrogen Storage System Product and Services

Table 46. Grimat Engineering Institute Solid-state Hydrogen Storage System Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 47. Grimat Engineering Institute Recent Developments/Updates

Table 48. Houpu Clean Energy Group Basic Information, Manufacturing Base and Competitors

Table 49. Houpu Clean Energy Group Major Business

Table 50. Houpu Clean Energy Group Solid-state Hydrogen Storage System Product and Services

Table 51. Houpu Clean Energy Group Solid-state Hydrogen Storage System Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 52. Houpu Clean Energy Group Recent Developments/Updates

Table 53. Taiji Power Technology Basic Information, Manufacturing Base and Competitors

Table 54. Taiji Power Technology Major Business

Table 55. Taiji Power Technology Solid-state Hydrogen Storage System Product and Services

Table 56. Taiji Power Technology Solid-state Hydrogen Storage System Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 57. Taiji Power Technology Recent Developments/Updates

Table 58. H2 Store Basic Information, Manufacturing Base and Competitors

Table 59. H2 Store Major Business

Table 60. H2 Store Solid-state Hydrogen Storage System Product and Services

Table 61. H2 Store Solid-state Hydrogen Storage System Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 62. H2 Store Recent Developments/Updates

Table 63. Stargate Hydrogen Basic Information, Manufacturing Base and Competitors

Table 64. Stargate Hydrogen Major Business

Table 65. Stargate Hydrogen Solid-state Hydrogen Storage System Product and Services

Table 66. Stargate Hydrogen Solid-state Hydrogen Storage System Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 67. Stargate Hydrogen Recent Developments/Updates

Table 68. JOMI LEMAN Basic Information, Manufacturing Base and Competitors

Table 69. JOMI LEMAN Major Business

Table 70. JOMI LEMAN Solid-state Hydrogen Storage System Product and Services

Table 71. JOMI LEMAN Solid-state Hydrogen Storage System Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 72. JOMI LEMAN Recent Developments/Updates

Table 73. Harnyss Basic Information, Manufacturing Base and Competitors



Table 74. Harnyss Major Business

Table 75. Harnyss Solid-state Hydrogen Storage System Product and Services

Table 76. Harnyss Solid-state Hydrogen Storage System Sales Quantity (K Units), Average Price (US\$/Unit), Revenue (USD Million), Gross Margin and Market Share (2020-2025)

Table 77. Harnyss Recent Developments/Updates

Table 78. Global Solid-state Hydrogen Storage System Sales Quantity by Manufacturer (2020-2025) & (K Units)

Table 79. Global Solid-state Hydrogen Storage System Revenue by Manufacturer (2020-2025) & (USD Million)

Table 80. Global Solid-state Hydrogen Storage System Average Price by Manufacturer (2020-2025) & (US\$/Unit)

Table 81. Market Position of Manufacturers in Solid-state Hydrogen Storage System, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2024

Table 82. Head Office and Solid-state Hydrogen Storage System Production Site of Key Manufacturer

Table 83. Solid-state Hydrogen Storage System Market: Company Product Type Footprint

Table 84. Solid-state Hydrogen Storage System Market: Company Product Application Footprint

Table 85. Solid-state Hydrogen Storage System New Market Entrants and Barriers to Market Entry

Table 86. Solid-state Hydrogen Storage System Mergers, Acquisition, Agreements, and Collaborations

Table 87. Global Solid-state Hydrogen Storage System Consumption Value by Region (2020-2024-2031) & (USD Million) & CAGR

Table 88. Global Solid-state Hydrogen Storage System Sales Quantity by Region (2020-2025) & (K Units)

Table 89. Global Solid-state Hydrogen Storage System Sales Quantity by Region (2026-2031) & (K Units)

Table 90. Global Solid-state Hydrogen Storage System Consumption Value by Region (2020-2025) & (USD Million)

Table 91. Global Solid-state Hydrogen Storage System Consumption Value by Region (2026-2031) & (USD Million)

Table 92. Global Solid-state Hydrogen Storage System Average Price by Region (2020-2025) & (US\$/Unit)

Table 93. Global Solid-state Hydrogen Storage System Average Price by Region (2026-2031) & (US\$/Unit)

Table 94. Global Solid-state Hydrogen Storage System Sales Quantity by Type

(2020-2025) & (K Units)

Table 95. Global Solid-state Hydrogen Storage System Sales Quantity by Type  
(2026-2031) & (K Units)

Table 96. Global Solid-state Hydrogen Storage System Consumption Value by Type  
(2020-2025) & (USD Million)

Table 97. Global Solid-state Hydrogen Storage System Consumption Value by Type  
(2026-2031) & (USD Million)

Table 98. Global Solid-state Hydrogen Storage System Average Price by Type  
(2020-2025) & (US\$/Unit)

Table 99. Global Solid-state Hydrogen Storage System Average Price by Type  
(2026-2031) & (US\$/Unit)

Table 100. Global Solid-state Hydrogen Storage System Sales Quantity by Application  
(2020-2025) & (K Units)

Table 101. Global Solid-state Hydrogen Storage System Sales Quantity by Application  
(2026-2031) & (K Units)

Table 102. Global Solid-state Hydrogen Storage System Consumption Value by  
Application (2020-2025) & (USD Million)

Table 103. Global Solid-state Hydrogen Storage System Consumption Value by  
Application (2026-2031) & (USD Million)

Table 104. Global Solid-state Hydrogen Storage System Average Price by Application  
(2020-2025) & (US\$/Unit)

Table 105. Global Solid-state Hydrogen Storage System Average Price by Application  
(2026-2031) & (US\$/Unit)

Table 106. North America Solid-state Hydrogen Storage System Sales Quantity by  
Type (2020-2025) & (K Units)

Table 107. North America Solid-state Hydrogen Storage System Sales Quantity by  
Type (2026-2031) & (K Units)

Table 108. North America Solid-state Hydrogen Storage System Sales Quantity by  
Application (2020-2025) & (K Units)

Table 109. North America Solid-state Hydrogen Storage System Sales Quantity by  
Application (2026-2031) & (K Units)

Table 110. North America Solid-state Hydrogen Storage System Sales Quantity by  
Country (2020-2025) & (K Units)

Table 111. North America Solid-state Hydrogen Storage System Sales Quantity by  
Country (2026-2031) & (K Units)

Table 112. North America Solid-state Hydrogen Storage System Consumption Value by  
Country (2020-2025) & (USD Million)

Table 113. North America Solid-state Hydrogen Storage System Consumption Value by  
Country (2026-2031) & (USD Million)

Table 114. Europe Solid-state Hydrogen Storage System Sales Quantity by Type (2020-2025) & (K Units)

Table 115. Europe Solid-state Hydrogen Storage System Sales Quantity by Type (2026-2031) & (K Units)

Table 116. Europe Solid-state Hydrogen Storage System Sales Quantity by Application (2020-2025) & (K Units)

Table 117. Europe Solid-state Hydrogen Storage System Sales Quantity by Application (2026-2031) & (K Units)

Table 118. Europe Solid-state Hydrogen Storage System Sales Quantity by Country (2020-2025) & (K Units)

Table 119. Europe Solid-state Hydrogen Storage System Sales Quantity by Country (2026-2031) & (K Units)

Table 120. Europe Solid-state Hydrogen Storage System Consumption Value by Country (2020-2025) & (USD Million)

Table 121. Europe Solid-state Hydrogen Storage System Consumption Value by Country (2026-2031) & (USD Million)

Table 122. Asia-Pacific Solid-state Hydrogen Storage System Sales Quantity by Type (2020-2025) & (K Units)

Table 123. Asia-Pacific Solid-state Hydrogen Storage System Sales Quantity by Type (2026-2031) & (K Units)

Table 124. Asia-Pacific Solid-state Hydrogen Storage System Sales Quantity by Application (2020-2025) & (K Units)

Table 125. Asia-Pacific Solid-state Hydrogen Storage System Sales Quantity by Application (2026-2031) & (K Units)

Table 126. Asia-Pacific Solid-state Hydrogen Storage System Sales Quantity by Region (2020-2025) & (K Units)

Table 127. Asia-Pacific Solid-state Hydrogen Storage System Sales Quantity by Region (2026-2031) & (K Units)

Table 128. Asia-Pacific Solid-state Hydrogen Storage System Consumption Value by Region (2020-2025) & (USD Million)

Table 129. Asia-Pacific Solid-state Hydrogen Storage System Consumption Value by Region (2026-2031) & (USD Million)

Table 130. South America Solid-state Hydrogen Storage System Sales Quantity by Type (2020-2025) & (K Units)

Table 131. South America Solid-state Hydrogen Storage System Sales Quantity by Type (2026-2031) & (K Units)

Table 132. South America Solid-state Hydrogen Storage System Sales Quantity by Application (2020-2025) & (K Units)

Table 133. South America Solid-state Hydrogen Storage System Sales Quantity by

Application (2026-2031) & (K Units)

Table 134. South America Solid-state Hydrogen Storage System Sales Quantity by Country (2020-2025) & (K Units)

Table 135. South America Solid-state Hydrogen Storage System Sales Quantity by Country (2026-2031) & (K Units)

Table 136. South America Solid-state Hydrogen Storage System Consumption Value by Country (2020-2025) & (USD Million)

Table 137. South America Solid-state Hydrogen Storage System Consumption Value by Country (2026-2031) & (USD Million)

Table 138. Middle East & Africa Solid-state Hydrogen Storage System Sales Quantity by Type (2020-2025) & (K Units)

Table 139. Middle East & Africa Solid-state Hydrogen Storage System Sales Quantity by Type (2026-2031) & (K Units)

Table 140. Middle East & Africa Solid-state Hydrogen Storage System Sales Quantity by Application (2020-2025) & (K Units)

Table 141. Middle East & Africa Solid-state Hydrogen Storage System Sales Quantity by Application (2026-2031) & (K Units)

Table 142. Middle East & Africa Solid-state Hydrogen Storage System Sales Quantity by Country (2020-2025) & (K Units)

Table 143. Middle East & Africa Solid-state Hydrogen Storage System Sales Quantity by Country (2026-2031) & (K Units)

Table 144. Middle East & Africa Solid-state Hydrogen Storage System Consumption Value by Country (2020-2025) & (USD Million)

Table 145. Middle East & Africa Solid-state Hydrogen Storage System Consumption Value by Country (2026-2031) & (USD Million)

Table 146. Solid-state Hydrogen Storage System Raw Material

Table 147. Key Manufacturers of Solid-state Hydrogen Storage System Raw Materials

Table 148. Solid-state Hydrogen Storage System Typical Distributors

Table 149. Solid-state Hydrogen Storage System Typical Customers

## List Of Figures

### LIST OF FIGURES

- Figure 1. Solid-state Hydrogen Storage System Picture
- Figure 2. Global Solid-state Hydrogen Storage System Revenue by Type, (USD Million), 2020 & 2024 & 2031
- Figure 3. Global Solid-state Hydrogen Storage System Revenue Market Share by Type in 2024
- Figure 4. Large Type Examples
- Figure 5. Small & Medium Type Examples
- Figure 6. Global Solid-state Hydrogen Storage System Consumption Value by Application, (USD Million), 2020 & 2024 & 2031
- Figure 7. Global Solid-state Hydrogen Storage System Revenue Market Share by Application in 2024
- Figure 8. Automotive Examples
- Figure 9. Energy Storage Examples
- Figure 10. Intelligent Building Examples
- Figure 11. Other Examples
- Figure 12. Global Solid-state Hydrogen Storage System Consumption Value, (USD Million): 2020 & 2024 & 2031
- Figure 13. Global Solid-state Hydrogen Storage System Consumption Value and Forecast (2020-2031) & (USD Million)
- Figure 14. Global Solid-state Hydrogen Storage System Sales Quantity (2020-2031) & (K Units)
- Figure 15. Global Solid-state Hydrogen Storage System Price (2020-2031) & (US\$/Unit)
- Figure 16. Global Solid-state Hydrogen Storage System Sales Quantity Market Share by Manufacturer in 2024
- Figure 17. Global Solid-state Hydrogen Storage System Revenue Market Share by Manufacturer in 2024
- Figure 18. Producer Shipments of Solid-state Hydrogen Storage System by Manufacturer Sales (\$MM) and Market Share (%): 2024
- Figure 19. Top 3 Solid-state Hydrogen Storage System Manufacturer (Revenue) Market Share in 2024
- Figure 20. Top 6 Solid-state Hydrogen Storage System Manufacturer (Revenue) Market Share in 2024
- Figure 21. Global Solid-state Hydrogen Storage System Sales Quantity Market Share by Region (2020-2031)
- Figure 22. Global Solid-state Hydrogen Storage System Consumption Value Market



Share by Region (2020-2031)

Figure 23. North America Solid-state Hydrogen Storage System Consumption Value (2020-2031) & (USD Million)

Figure 24. Europe Solid-state Hydrogen Storage System Consumption Value (2020-2031) & (USD Million)

Figure 25. Asia-Pacific Solid-state Hydrogen Storage System Consumption Value (2020-2031) & (USD Million)

Figure 26. South America Solid-state Hydrogen Storage System Consumption Value (2020-2031) & (USD Million)

Figure 27. Middle East & Africa Solid-state Hydrogen Storage System Consumption Value (2020-2031) & (USD Million)

Figure 28. Global Solid-state Hydrogen Storage System Sales Quantity Market Share by Type (2020-2031)

Figure 29. Global Solid-state Hydrogen Storage System Consumption Value Market Share by Type (2020-2031)

Figure 30. Global Solid-state Hydrogen Storage System Average Price by Type (2020-2031) & (US\$/Unit)

Figure 31. Global Solid-state Hydrogen Storage System Sales Quantity Market Share by Application (2020-2031)

Figure 32. Global Solid-state Hydrogen Storage System Revenue Market Share by Application (2020-2031)

Figure 33. Global Solid-state Hydrogen Storage System Average Price by Application (2020-2031) & (US\$/Unit)

Figure 34. North America Solid-state Hydrogen Storage System Sales Quantity Market Share by Type (2020-2031)

Figure 35. North America Solid-state Hydrogen Storage System Sales Quantity Market Share by Application (2020-2031)

Figure 36. North America Solid-state Hydrogen Storage System Sales Quantity Market Share by Country (2020-2031)

Figure 37. North America Solid-state Hydrogen Storage System Consumption Value Market Share by Country (2020-2031)

Figure 38. United States Solid-state Hydrogen Storage System Consumption Value (2020-2031) & (USD Million)

Figure 39. Canada Solid-state Hydrogen Storage System Consumption Value (2020-2031) & (USD Million)

Figure 40. Mexico Solid-state Hydrogen Storage System Consumption Value (2020-2031) & (USD Million)

Figure 41. Europe Solid-state Hydrogen Storage System Sales Quantity Market Share by Type (2020-2031)

Figure 42. Europe Solid-state Hydrogen Storage System Sales Quantity Market Share by Application (2020-2031)

Figure 43. Europe Solid-state Hydrogen Storage System Sales Quantity Market Share by Country (2020-2031)

Figure 44. Europe Solid-state Hydrogen Storage System Consumption Value Market Share by Country (2020-2031)

Figure 45. Germany Solid-state Hydrogen Storage System Consumption Value (2020-2031) & (USD Million)

Figure 46. France Solid-state Hydrogen Storage System Consumption Value (2020-2031) & (USD Million)

Figure 47. United Kingdom Solid-state Hydrogen Storage System Consumption Value (2020-2031) & (USD Million)

Figure 48. Russia Solid-state Hydrogen Storage System Consumption Value (2020-2031) & (USD Million)

Figure 49. Italy Solid-state Hydrogen Storage System Consumption Value (2020-2031) & (USD Million)

Figure 50. Asia-Pacific Solid-state Hydrogen Storage System Sales Quantity Market Share by Type (2020-2031)

Figure 51. Asia-Pacific Solid-state Hydrogen Storage System Sales Quantity Market Share by Application (2020-2031)

Figure 52. Asia-Pacific Solid-state Hydrogen Storage System Sales Quantity Market Share by Region (2020-2031)

Figure 53. Asia-Pacific Solid-state Hydrogen Storage System Consumption Value Market Share by Region (2020-2031)

Figure 54. China Solid-state Hydrogen Storage System Consumption Value (2020-2031) & (USD Million)

Figure 55. Japan Solid-state Hydrogen Storage System Consumption Value (2020-2031) & (USD Million)

Figure 56. South Korea Solid-state Hydrogen Storage System Consumption Value (2020-2031) & (USD Million)

Figure 57. India Solid-state Hydrogen Storage System Consumption Value (2020-2031) & (USD Million)

Figure 58. Southeast Asia Solid-state Hydrogen Storage System Consumption Value (2020-2031) & (USD Million)

Figure 59. Australia Solid-state Hydrogen Storage System Consumption Value (2020-2031) & (USD Million)

Figure 60. South America Solid-state Hydrogen Storage System Sales Quantity Market Share by Type (2020-2031)

Figure 61. South America Solid-state Hydrogen Storage System Sales Quantity Market



Share by Application (2020-2031)

Figure 62. South America Solid-state Hydrogen Storage System Sales Quantity Market Share by Country (2020-2031)

Figure 63. South America Solid-state Hydrogen Storage System Consumption Value Market Share by Country (2020-2031)

Figure 64. Brazil Solid-state Hydrogen Storage System Consumption Value (2020-2031) & (USD Million)

Figure 65. Argentina Solid-state Hydrogen Storage System Consumption Value (2020-2031) & (USD Million)

Figure 66. Middle East & Africa Solid-state Hydrogen Storage System Sales Quantity Market Share by Type (2020-2031)

Figure 67. Middle East & Africa Solid-state Hydrogen Storage System Sales Quantity Market Share by Application (2020-2031)

Figure 68. Middle East & Africa Solid-state Hydrogen Storage System Sales Quantity Market Share by Country (2020-2031)

Figure 69. Middle East & Africa Solid-state Hydrogen Storage System Consumption Value Market Share by Country (2020-2031)

Figure 70. Turkey Solid-state Hydrogen Storage System Consumption Value (2020-2031) & (USD Million)

Figure 71. Egypt Solid-state Hydrogen Storage System Consumption Value (2020-2031) & (USD Million)

Figure 72. Saudi Arabia Solid-state Hydrogen Storage System Consumption Value (2020-2031) & (USD Million)

Figure 73. South Africa Solid-state Hydrogen Storage System Consumption Value (2020-2031) & (USD Million)

Figure 74. Solid-state Hydrogen Storage System Market Drivers

Figure 75. Solid-state Hydrogen Storage System Market Restraints

Figure 76. Solid-state Hydrogen Storage System Market Trends

Figure 77. Porters Five Forces Analysis

Figure 78. Manufacturing Cost Structure Analysis of Solid-state Hydrogen Storage System in 2024

Figure 79. Manufacturing Process Analysis of Solid-state Hydrogen Storage System

Figure 80. Solid-state Hydrogen Storage System Industrial Chain

Figure 81. Sales Channel: Direct to End-User vs Distributors

Figure 82. Direct Channel Pros & Cons

Figure 83. Indirect Channel Pros & Cons

Figure 84. Methodology

Figure 85. Research Process and Data Source

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