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Global Hydrogen eVTOL Market Growth (Status and Outlook) 2025-2031

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Abstracts

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The global Flexible Solar Cell Modules market size is predicted to grow from US$ 307 million in 2025 to US$ 460 million in 2031; it is expected to grow at a CAGR of 7.0% from 2025 to 2031.

Flexible Solar Cell Modules refer to solar panels that are lightweight, bendable, and capable of conforming to various shapes and surfaces. Unlike traditional rigid solar panels, which are typically made from glass and require a flat surface for installation, flexible solar cell modules are constructed using flexible materials such as thin-film solar cells, organic photovoltaics, or flexible substrates that allow them to be rolled, folded, or applied to curved or irregular surfaces.

United States market for Flexible Solar Cell Modules is estimated to increase from US$ million in 2024 to US$ million by 2031, at a CAGR of % from 2025 through 2031.

China market for Flexible Solar Cell Modules is estimated to increase from US$ million in 2024 to US$ million by 2031, at a CAGR of % from 2025 through 2031.

Europe market for Flexible Solar Cell Modules is estimated to increase from US$ million in 2024 to US$ million by 2031, at a CAGR of % from 2025 through 2031.

Global key Flexible Solar Cell Modules players cover Uni-Solar, MiaSol?, Hanergy, SoloPower Systems, Ascent Solar, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2024.

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LP Information, Inc. (LPI) ' newest research report, the “Flexible Solar Cell Modules Industry Forecast” looks at past sales and reviews total world Flexible Solar Cell Modules sales in 2024, providing a comprehensive analysis by region and market sector of projected Flexible Solar Cell Modules sales for 2025 through 2031. With Flexible Solar Cell Modules sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US$ millions of the world Flexible Solar Cell Modules industry.

This Insight Report provides a comprehensive analysis of the global Flexible Solar Cell Modules landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Flexible Solar Cell Modules portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms’ unique position in an accelerating global Flexible Solar Cell Modules market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Flexible Solar Cell Modules and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Flexible Solar Cell Modules.

This report presents a comprehensive overview, market shares, and growth opportunities of Flexible Solar Cell Modules market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Amorphous Silicon (a-Si) Solar Cell Modules

Copper Indium Gallium Selenide (CIGS) Solar Cell Modules

Organic Solar Cells (OSCs)

Other Types

Segmentation by Application:

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Commercial

Residential

Transportation

Others

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

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France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Uni-Solar

MiaSol?

Hanergy

SoloPower Systems

Ascent Solar

Sun Harmonics

FWAVE Company

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PowerFilm

Panasonic

infinityPV

Heliatek GmbH

HyET Solar

SolarV GmbH

HG GROUP

Key Questions Addressed in this Report

What is the 10-year outlook for the global Flexible Solar Cell Modules market?

What factors are driving Flexible Solar Cell Modules market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Flexible Solar Cell Modules market opportunities vary by end market size?

How does Flexible Solar Cell Modules break out by Type, by Application?

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Contents

1 SCOPE OF THE REPORT

1.1 Market Introduction
1.2 Years Considered
1.3 Research Objectives
1.4 Market Research Methodology
1.5 Research Process and Data Source
1.6 Economic Indicators
1.7 Currency Considered

2 EXECUTIVE SUMMARY

2.1 World Market Overview
  2.1.1 Global Hydrogen eVTOL Market Size 2025-2031
  2.1.2 Hydrogen eVTOL Market Size CAGR by Region
2.2 Hydrogen eVTOL Segment by Type
  2.2.1 Multi-Rotor
  2.2.2 Composite Wing
  2.2.3 Tilt Rotor
  2.2.4 Tilt Duct
  2.2.5 Others
2.3 Hydrogen eVTOL Market Size by Type
  2.3.1 Global Hydrogen eVTOL Market Size Market Share by Type (2025-2031)
  2.3.2 Global Hydrogen eVTOL Market Size Growth Rate by Type (2025-2031)
2.4 Hydrogen eVTOL Segment by Application
  2.4.1 Logistics
  2.4.2 Medical
  2.4.3 Travel
  2.4.4 Emergency
  2.4.5 Others
2.5 Hydrogen eVTOL Market Size by Application (2025-2031)
  2.5.1 Global Hydrogen eVTOL Market Size Market Share by Application (2025-2031)
  2.5.2 Global Hydrogen eVTOL Market Size Growth Rate by Application (2025-2031)

3 HYDROGEN EVTOL KEY PLAYERS

3.1 Date of Key Players Enter into Hydrogen eVTOL

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3.2 Key Players Hydrogen eVTOL Product Offered
3.3 Key Players Hydrogen eVTOL Funding/Investment Analysis
3.4 Funding/Investment
  3.4.1 Funding/Investment by Regions
  3.4.2 Funding/Investment by End-Industry
3.5 Key Players Hydrogen eVTOL Valuation & Market Capitalization
3.6 Key Players Mergers & Acquisitions, Expansion Plans
3.7 Market Ranking
3.8 New Product/Technology Launches
3.9 Partnerships, Agreements, and Collaborations
3.10 Mergers and Acquisitions

4 HYDROGEN EVTOL BY REGIONS

4.1 Hydrogen eVTOL Market Size by Regions (2025-2031)
4.2 United States Hydrogen eVTOL Market Size Growth (2025-2031)
4.3 China Hydrogen eVTOL Market Size Growth (2025-2031)
4.4 Europe Hydrogen eVTOL Market Size Growth (2025-2031)
4.5 Rest of World Hydrogen eVTOL Market Size Growth (2025-2031)

5 UNITED STATES

5.1 United States Hydrogen eVTOL Market Size by Type (2025-2031)
5.2 United States Hydrogen eVTOL Market Size by Application (2025-2031)

6 EUROPE

6.1 Europe Hydrogen eVTOL Market Size by Type (2025-2031)
6.2 Europe Hydrogen eVTOL Market Size by Application (2025-2031)

7 CHINA

7.1 China Hydrogen eVTOL Market Size by Type (2025-2031)
7.2 China Hydrogen eVTOL Market Size by Application (2025-2031)

8 REST OF WORLD

8.1 Rest of World Hydrogen eVTOL Market Size by Type (2025-2031)
8.2 Rest of World Hydrogen eVTOL Market Size by Application (2025-2031)

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8.3 Japan
8.4 South Korea
8.5 Southeast Asia

9 MARKET DRIVERS, CHALLENGES AND TRENDS

9.1 Market Drivers & Growth Opportunities
9.2 Market Challenges & Risks
9.3 Industry Trends

10 KEY INVESTORS IN HYDROGEN EVTOL

10.1 Company A
  10.1.1 Company A Company Details
  10.1.2 Company Description
  10.1.3 Companies Invested by Company A
  10.1.4 Company A Key Development and Market Layout
10.2 Company B
  10.2.1 Company B Company Details
  10.2.2 Company Description
  10.2.3 Companies Invested by Company B
  10.2.4 Company B Key Development and Market Layout
10.3 Company C
  10.3.1 Company C Company Details
  10.3.2 Company Description
  10.3.3 Companies Invested by Company C
  10.3.4 Company C Key Development and Market Layout
10.4 Company D
10.5 ……

11 KEY PLAYERS ANALYSIS

11.1 Victrex
  11.1.1 Victrex Company Details
  11.1.2 Victrex Hydrogen eVTOL Product Offered
  11.1.3 Victrex Hydrogen eVTOL Market Size (2024 VS 2030)
  11.1.4 Victrex Main Business Overview
  11.1.5 Victrex News
11.2 Solvay

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11.2.1 Solvay Company Details
11.2.2 Solvay Hydrogen eVTOL Product Offered
11.2.3 Solvay Hydrogen eVTOL Market Size (2024 VS 2030)
11.2.4 Solvay Main Business Overview
11.2.5 Solvay News
11.3 Evonik
11.3.1 Evonik Company Details
11.3.2 Evonik Hydrogen eVTOL Product Offered
11.3.3 Evonik Hydrogen eVTOL Market Size (2024 VS 2030)
11.3.4 Evonik Main Business Overview
11.3.5 Evonik News
11.4 Zypeek
11.4.1 Zypeek Company Details
11.4.2 Zypeek Hydrogen eVTOL Product Offered
11.4.3 Zypeek Hydrogen eVTOL Market Size (2024 VS 2030)
11.4.4 Zypeek Main Business Overview
11.4.5 Zypeek News
11.5 Kingfa
11.5.1 Kingfa Company Details
11.5.2 Kingfa Hydrogen eVTOL Product Offered
11.5.3 Kingfa Hydrogen eVTOL Market Size (2024 VS 2030)
11.5.4 Kingfa Main Business Overview
11.5.5 Kingfa News
11.6 Jusep
11.6.1 Jusep Company Details
11.6.2 Jusep Hydrogen eVTOL Product Offered
11.6.3 Jusep Hydrogen eVTOL Market Size (2024 VS 2030)
11.6.4 Jusep Main Business Overview
11.6.5 Jusep News
11.7 H2Fly
11.7.1 H2Fly Company Details
11.7.2 H2Fly Hydrogen eVTOL Product Offered
11.7.3 H2Fly Hydrogen eVTOL Market Size (2024 VS 2030)
11.7.4 H2Fly Main Business Overview
11.7.5 H2Fly News
11.8 Joby
11.8.1 Joby Company Details
11.8.2 Joby Hydrogen eVTOL Product Offered
11.8.3 Joby Hydrogen eVTOL Market Size (2024 VS 2030)

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11.8.4 Joby Main Business Overview
11.8.5 Joby News
11.9 Alaka'i
11.9.1 Alaka'i Company Details
11.9.2 Alaka'i Hydrogen eVTOL Product Offered
11.9.3 Alaka'i Hydrogen eVTOL Market Size (2024 VS 2030)
11.9.4 Alaka'i Main Business Overview
11.9.5 Alaka'i News

12 RESEARCH FINDINGS AND CONCLUSION

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List Of Tables

LIST OF TABLES

Table 1. Hydrogen eVTOL Market Size CAGR by Region (2025-2031) ($ millions)
Table 2. Major Players of Multi-Rotor
Table 3. Major Players of Composite Wing
Table 4. Major Players of Tilt Rotor
Table 5. Major Players of Tilt Duct
Table 6. Major Players of Others
Table 7. Global Market Size by Type (2025-2031) ($ millions)
Table 8. Global Hydrogen eVTOL Market Size Market Share by Type (2025-2031)
Table 9. Global Hydrogen eVTOL Market Size by Application (2025-2031) ($ millions)
Table 10. Global Hydrogen eVTOL Market Size Market Share by Application (2025-2031)
Table 11. Date of Global Key Players Enter into Hydrogen eVTOL Market
Table 12. Global Key Players Hydrogen eVTOL Product Offered
Table 13. Key Players Hydrogen eVTOL Funding/Investment (Million USD)
Table 14. Funding/Investment by Regions
Table 15. Funding/Investment by End-Industry
Table 16. Key Players Hydrogen eVTOL Valuation & Market Capitalization (Million USD)
Table 17. Key Players Mergers & Acquisitions, Expansion Plans
Table 18. Hydrogen eVTOL New Product/Technology Launches
Table 19. Hydrogen eVTOL Industry Partnerships, Agreements, and Collaborations
Table 20. Hydrogen eVTOL Industry Mergers and Acquisitions
Table 21. Global Hydrogen eVTOL Market Size by Regions 2025-2031 ($ millions)
Table 22. Global Hydrogen eVTOL Market Size Market Share by Regions 2025-2031
Table 23. United States Hydrogen eVTOL Market Size by Type (2025-2031) ($ millions)
Table 24. United States Hydrogen eVTOL Market Size Market Share by Type (2025-2031)
Table 25. United States Hydrogen eVTOL Market Size by Application (2025-2031) ($ millions)
Table 26. United States Hydrogen eVTOL Market Size Market Share by Application (2025-2031)
Table 27. Europe Hydrogen eVTOL Market Size by Type (2025-2031) ($ millions)
Table 28. Europe Hydrogen eVTOL Market Size Market Share by Type (2025-2031)
Table 29. Europe Hydrogen eVTOL Market Size by Application (2025-2031) ($ millions)
Table 30. Europe Hydrogen eVTOL Market Size Market Share by Application

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(2025-2031)
Table 31. China Hydrogen eVTOL Market Size by Type (2025-2031) ($ millions)
Table 32. China Hydrogen eVTOL Market Size Market Share by Type (2025-2031)
Table 33. China Hydrogen eVTOL Market Size by Application (2025-2031) ($ millions)
Table 34. China Hydrogen eVTOL Market Size Market Share by Application (2025-2031)
Table 35. Rest of World Hydrogen eVTOL Market Size by Type (2025-2031) ($ millions)
Table 36. Rest of World Hydrogen eVTOL Market Size Market Share by Type (2025-2031)
Table 37. Rest of World Hydrogen eVTOL Market Size by Application (2025-2031) ($ millions)
Table 38. Rest of World Hydrogen eVTOL Market Size Market Share by Application (2025-2031)
Table 39. Key Market Drivers & Growth Opportunities of Hydrogen eVTOL
Table 40. Key Market Challenges & Risks of Hydrogen eVTOL
Table 41. Key Industry Trends of Hydrogen eVTOL
Table 42. Company A Company Details
Table 43. Companies Invested by Company A
Table 44. Company A Key Development and Market Layout
Table 45. Company B Company Details
Table 46. Companies Invested by Company B
Table 47. Company B Key Development and Market Layout
Table 48. Company C Company Details
Table 49. Companies Invested by Company C
Table 50. Company C Key Development and Market Layout
Table 51. Victrex Basic Information, Head Office, Major Market Areas and Its Competitors
Table 52. Victrex Hydrogen eVTOL Market Size (2024 VS 2030)
Table 53. Solvay Basic Information, Head Office, Major Market Areas and Its Competitors
Table 54. Solvay Hydrogen eVTOL Market Size (2024 VS 2030)
Table 55. Evonik Basic Information, Head Office, Major Market Areas and Its Competitors
Table 56. Evonik Hydrogen eVTOL Market Size (2024 VS 2030)
Table 57. Zypeek Basic Information, Head Office, Major Market Areas and Its Competitors
Table 58. Zypeek Hydrogen eVTOL Market Size (2024 VS 2030)
Table 59. Kingfa Basic Information, Head Office, Major Market Areas and Its Competitors

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Table 60. Kingfa Hydrogen eVTOL Market Size (2024 VS 2030)
Table 61. Jusep Basic Information, Head Office, Major Market Areas and Its Competitors
Table 62. Jusep Hydrogen eVTOL Market Size (2024 VS 2030)
Table 63. H2Fly Basic Information, Head Office, Major Market Areas and Its Competitors
Table 64. H2Fly Hydrogen eVTOL Market Size (2024 VS 2030)
Table 65. Joby Basic Information, Head Office, Major Market Areas and Its Competitors
Table 66. Joby Hydrogen eVTOL Market Size (2024 VS 2030)
Table 67. Alaka'i Basic Information, Head Office, Major Market Areas and Its Competitors
Table 68. Alaka'i Hydrogen eVTOL Market Size (2024 VS 2030)

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List Of Figures

LIST OF FIGURES

Figure 1. Picture of Hydrogen eVTOL
Figure 2. Hydrogen eVTOL Report Years Considered
Figure 3. Research Objectives
Figure 4. Research Methodology
Figure 5. Research Process and Data Source
Figure 6. Global Hydrogen eVTOL Market Size Growth Rate 2025-2031 ($ millions)
Figure 7. Hydrogen eVTOL Market Size by Region (2024 & 2031) ($ millions)
Figure 8. Global Hydrogen eVTOL Market Size Market Share by Type (2025-2031)
Figure 9. Global Multi-Rotor Market Size Growth Rate
Figure 10. Global Composite Wing Market Size Growth Rate
Figure 11. Hydrogen eVTOL in Logistics
Figure 12. Global Hydrogen eVTOL Market: Logistics (2025-2031) ($ millions)
Figure 13. Hydrogen eVTOL in Medical
Figure 14. Global Hydrogen eVTOL Market: Medical (2025-2031) ($ millions)
Figure 15. Hydrogen eVTOL in Travel
Figure 16. Global Hydrogen eVTOL Market: Travel (2025-2031) ($ millions)
Figure 17. Hydrogen eVTOL in Emergency
Figure 18. Global Hydrogen eVTOL Market: Emergency (2025-2031) ($ millions)
Figure 19. Hydrogen eVTOL in Others
Figure 20. Global Hydrogen eVTOL Market: Others (2025-2031) ($ millions)
Figure 21. Global Hydrogen eVTOL Market Size Market Share by Application (2025-2031)
Figure 22. Global Hydrogen eVTOL Market Size in Logistics Growth Rate
Figure 23. Global Hydrogen eVTOL Market Size in Medical Growth Rate
Figure 24. Funding/Investment
Figure 25. Global Hydrogen eVTOL Market Size Market Share by Regions 2025-2031
Figure 26. United States Hydrogen eVTOL Market Size 2025-2031 ($ millions)
Figure 27. China Hydrogen eVTOL Market Size 2025-2031 ($ millions)
Figure 28. Europe Hydrogen eVTOL Market Size 2025-2031 ($ millions)
Figure 29. Rest of World Hydrogen eVTOL Market Size 2025-2031 ($ millions)
Figure 30. United States Hydrogen eVTOL Consumption Market Share by Type in 2029
Figure 31. United States Hydrogen eVTOL Market Size Market Share by Application in 2029
Figure 32. Europe Hydrogen eVTOL Consumption Market Share by Type in 2029
Figure 33. Europe Hydrogen eVTOL Market Size Market Share by Application in 2029

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Figure 34. China Hydrogen eVTOL Consumption Market Share by Type in 2029
Figure 35. China Hydrogen eVTOL Market Size Market Share by Application in 2029
Figure 36. Rest of World Hydrogen eVTOL Consumption Market Share by Type in 2029
Figure 37. Rest of World Hydrogen eVTOL Market Size Market Share by Application in 2029

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