

# Global V2H for Home Storage System Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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## Abstracts

According to our (Global Info Research) latest study, the global V2H for Home Storage System market size was valued at US\$ 125 million in 2025 and is forecast to a readjusted size of US\$ 667 million by 2032 with a CAGR of 27.3% during review period.

V2H refers to a technology that transfers the stored energy of electric vehicles (EV) or plug-in hybrid electric vehicles (PHEV) back to the home grid to supply power or support home energy needs. It is a typical application of 'car-to-home' energy management, which is realized by bidirectional charging technology (Vehicle-to-Grid, V2G).

The V2H industry for home energy storage systems is currently in a stage of rapid development but has not yet been fully popularized. From a technical perspective, the V2H system relies on bidirectional charging technology to convert the electrical energy in electric vehicle batteries into household electricity to meet daily energy conservation and emergency power supply needs. Since the launch of the first commercial V2H system in Japan in 2012, the technology has gradually expanded in the Japanese, European and North American markets, but the overall market size is still small. However, with the increasing popularity of electric vehicles (EVs), rising energy costs and frequent extreme weather, V2H technology has attracted more attention from consumers. Japanese companies such as Nichicon and Panasonic have taken a leading position through technological innovation and government subsidies (such as the CEV program), and are also actively promoting integration with solar energy storage systems to provide more efficient solutions for distributed energy management. However, due to high initial investment and insufficient consumer awareness, market promotion still faces certain resistance, which leaves a wide space for further development of the industry.

This report is a detailed and comprehensive analysis for global V2H for Home 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 V2H for Home Storage System market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2021-2032

Global V2H for Home Storage System market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2021-2032

Global V2H for Home Storage System market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2021-2032

Global V2H for Home Storage System market shares of main players, shipments in revenue (\$ Million), sales quantity (Units), and ASP (US\$/Unit), 2021-2026

### **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 V2H for Home 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 V2H for Home 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 Nichicon Corporation, Takaoka Toko Co., Ltd., Panasonic, Wallbox, DENSO, GS Yuasa Corporation, Delta Electronics, Inc., Ford Motor, GM Energy, Diamond Electric Holdings, etc.

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

new product launches or approvals.

## **Market Segmentation**

V2H for Home Storage System market is split by Type and by Application. For the period 2021-2032, 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

Output power ? 6kW

Output power > 6kW

### Market segment by Application

Grid-tied

Off-grid

### Major players covered

Nichicon Corporation

Takaoka Toko Co., Ltd.

Panasonic

Wallbox

DENSO

GS Yuasa Corporation

Delta Electronics, Inc.

Ford Motor

GM Energy

Diamond Electric Holdings

Fermata Energy

Indra Renewable Technologies Limited

ELIY Power CO., Ltd

SolarEdge

Sumitomo Electric Industries

Enphase Energy

StarCharge

UUGreenPower

Sigenergy Technology

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 V2H for Home Storage System product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of V2H for Home Storage System, with price, sales quantity, revenue, and global market share of V2H for Home Storage System from 2021 to 2026.

Chapter 3, the V2H for Home Storage System competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the V2H for Home Storage System breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

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 2021 to 2032.

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 2021 to 2026. and V2H for Home Storage System market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

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 V2H for Home Storage System.

Chapter 14 and 15, to describe V2H for Home Storage System sales channel, distributors, customers, research findings and conclusion.

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