

# Global 300kW Fuel Cell Stack Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G4F78EC1E579EN.html>

Date: April 2026

Pages: 124

Price: US\$ 4,480.00 (Single User License)

ID: G4F78EC1E579EN

## Abstracts

The global 300kW Fuel Cell Stack market size is expected to reach \$ 210 million by 2032, rising at a market growth of 14.6% CAGR during the forecast period (2026-2032).

The 300kW Fuel Cell Stack is a power module designed to deliver a consistent and high-output electrical power, capable of supporting large-scale applications that require substantial energy capacity. It is engineered with advanced materials and systems to ensure optimal performance, reliability, and efficiency, making it suitable for applications where a significant amount of electrical power is needed, such as in commercial vehicles or as a power source for industrial processes. The stack incorporates innovative features for efficient hydrogen utilization and energy conversion, contributing to its ability to provide a robust and scalable power solution. In 2025, global 300kW Fuel Cell Stack production reached approximately 31.2 k units with an average global market price of around US\$2,500 per unit.

As the demand for clean energy continues to rise, the market for 300kW fuel cell stacks is experiencing rapid expansion. The growing demand for zero-emission solutions in heavy-duty transportation and industrial applications is opening up substantial revenue opportunities for manufacturers of these stacks. Technological advancements, such as increased power density, reduced costs, and enhanced reliability, are enabling manufacturers to offer more competitive products, potentially expanding their market share and profitability. The progression towards industry standardization and certification, along with the globalization of the market, is further opening up new avenues for sales. Strategic collaborations with Original Equipment Manufacturers (OEMs) and energy providers, as well as support from government incentives, are contributing to new growth prospects for the industry. Additionally, efforts to reduce costs and differentiate product offerings are crucial for businesses to maintain a

competitive edge in the increasingly competitive market. Overall, the 300kW fuel cell stack industry is in a phase of dynamic growth, and companies should seize market opportunities and focus on technological innovation to achieve sustainable development.

This report studies the global 300kW Fuel Cell Stack production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for 300kW Fuel Cell Stack and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of 300kW Fuel Cell Stack that contribute to its increasing demand across many markets.

### **Highlights and key features of the study**

Global 300kW Fuel Cell Stack total production and demand, 2021-2032, (Units)

Global 300kW Fuel Cell Stack total production value, 2021-2032, (USD Million)

Global 300kW Fuel Cell Stack production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Units), (based on production site)

Global 300kW Fuel Cell Stack consumption by region & country, CAGR, 2021-2032 & (Units)

U.S. VS China: 300kW Fuel Cell Stack domestic production, consumption, key domestic manufacturers and share

Global 300kW Fuel Cell Stack production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Units)

Global 300kW Fuel Cell Stack production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Units)

Global 300kW Fuel Cell Stack production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Units)

This report profiles key players in the global 300kW Fuel Cell Stack 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 EH Group, INOCEL, Bosch, Ballard, Cummins, Horizon Fuel Cell, Intelligent Energy, Shanghai Shen-Li High Tech, Shanghai FTXT Energy Technology, Shanghai REFIRE Group, 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 300kW Fuel Cell Stack market

### **Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

### Global 300kW Fuel Cell Stack Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

### Global 300kW Fuel Cell Stack Market, Segmentation by Type:

Carbon Composite Plate Stack

Sheet Metal Stack

### Global 300kW Fuel Cell Stack Market, Segmentation by Cooling Method:

Air-cooled Fuel Cell Stack

Liquid-cooled Fuel Cell Stack

Global 300kW Fuel Cell Stack Market, Segmentation by Structural Design:

Modular Fuel Cell Stack

Integrated Fuel Cell Stack

Global 300kW Fuel Cell Stack Market, Segmentation by Application:

City Delivery

Material Handling

Small And Medium-Sized Construction Equipment

Other

Companies Profiled:

EH Group

INOCEL

Bosch

Ballard

Cummins

Horizon Fuel Cell

Intelligent Energy

Shanghai Shen-Li High Tech

Shanghai FTXT Energy Technology

Shanghai REFIRE Group

Sino-Synergy Hydrogen Energy Technology (Jiaxing)

Shanghai Jichong Energy

Shanghai H-RISE New Energy Technology

**Key Questions Answered:**

1. How big is the global 300kW Fuel Cell Stack market?
2. What is the demand of the global 300kW Fuel Cell Stack market?
3. What is the year over year growth of the global 300kW Fuel Cell Stack market?
4. What is the production and production value of the global 300kW Fuel Cell Stack market?
5. Who are the key producers in the global 300kW Fuel Cell Stack market?
6. What are the growth factors driving the market demand?

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