

# Global AI Data Center Solid State Transformer Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G39F8F18ACAEEN.html>

Date: May 2026

Pages: 144

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

ID: G39F8F18ACAEEN

## Abstracts

The global AI Data Center Solid State Transformer market size is expected to reach \$ 700 million by 2032, rising at a market growth of 30.5% CAGR during the forecast period (2026-2032).

An AI data center solid-state transformer (SST) is a cutting-edge power conversion device that plays a crucial role in modern data centers, particularly those optimized for artificial intelligence (AI) workloads. Unlike traditional transformers, which rely on electromechanical components, SSTs use solid-state electronics to efficiently convert electrical power at various voltage levels. This enables higher efficiency, better control, and more compact designs. In AI data centers, SSTs are particularly important for ensuring stable power supply and reducing energy loss, supporting the high performance and continuous operation required by AI and machine learning applications.

In 2025, global AI Data Center Solid State Transformer production reached approximately 46.6 MW, with an average global market price of around 731 USD/KW. The production capacity for AI Data Center Solid State Transformer in 2025 was approximately 50 MW . The typical gross profit margin for AI Data Center Solid State Transformer between 20% and 40%.

This report studies the global AI Data Center Solid State Transformer production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for AI Data Center Solid State Transformer 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 AI Data Center Solid State Transformer that contribute to its increasing demand across many markets.

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

Global AI Data Center Solid State Transformer total production and demand, 2021-2032, (Units)

Global AI Data Center Solid State Transformer total production value, 2021-2032, (USD Million)

Global AI Data Center Solid State Transformer production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Units), (based on production site)

Global AI Data Center Solid State Transformer consumption by region & country, CAGR, 2021-2032 & (Units)

U.S. VS China: AI Data Center Solid State Transformer domestic production, consumption, key domestic manufacturers and share

Global AI Data Center Solid State Transformer production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Units)

Global AI Data Center Solid State Transformer production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Units)

Global AI Data Center Solid State Transformer production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Units)

This report profiles key players in the global AI Data Center Solid State Transformer 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 Delta, Sifang Automation, Eaton, Vertiv, Amperesand, JST Power Equipment, Kehua, China XD Electric, Kerun Intelligent Control, WG Energy, 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 AI Data Center Solid State Transformer market

### **Detailed Segmentation:**

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (Units) and average price (K 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 AI Data Center Solid State Transformer Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

#### Global AI Data Center Solid State Transformer Market, Segmentation by Type:

Single-port SST

Multi-port SST

#### Global AI Data Center Solid State Transformer Market, Segmentation by Current type:

AC-DC

DC-DC

#### Global AI Data Center Solid State Transformer Market, Segmentation by Application:

Enterprise Data Centers

Housing and Service Provider Data Centers

Hyperscale Data Centers

Companies Profiled:

Delta

Sifang Automation

Eaton

Vertiv

Amperesand

JST Power Equipment

Kehua

China XD Electric

Kerun Intelligent Control

WG Energy

Schneider Electric

TGOOD Electric

TBEA

Newonder Special Electric

SolarEdge

Eaglerise

**Key Questions Answered:**

1. How big is the global AI Data Center Solid State Transformer market?
2. What is the demand of the global AI Data Center Solid State Transformer market?
3. What is the year over year growth of the global AI Data Center Solid State Transformer market?
4. What is the production and production value of the global AI Data Center Solid State Transformer market?
5. Who are the key producers in the global AI Data Center Solid State Transformer market?
6. What are the growth factors driving the market demand?

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