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Global Environmentally Friendly GIS Tank-Type Lightning Arrester Market Growth 2026-2032

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Abstracts

The global Environmentally Friendly GIS Tank-Type Lightning Arrester market size is predicted to grow from US$ 204 million in 2025 to US$ 357 million in 2032; it is expected to grow at a CAGR of 8.5% from 2026 to 2032.

In 2025, global production of environmentally friendly GIS tank-type lightning arrester reached 35,790 units, with an average selling price of US$5,840 per unit. Environmentally friendly GIS tank-type lightning arresters are high-performance overvoltage protection devices specifically designed for use within gas-insulated switchgear systems. Through metal oxide varistors, they rapidly conduct, absorb energy, and limit voltage amplitude during instantaneous lightning strikes or operational overvoltages, protecting GIS, transformers, circuit breakers, cable terminals, and other critical electrical equipment from overvoltage damage. Environmentally friendly GIS tank-type surge arresters are directly installed inside a sealed tank filled with environmentally friendly mixed insulating gas (such as g?, N?/CO?), forming a gas chamber structure that is either in the same chamber as the main equipment or independent of it. They offer significant advantages such as small size, superior insulation performance, fast response speed, high reliability, and maintenance-free operation. They are mainly used in gas-insulated switchgear and mixed insulation systems in substations, power plants, industrial power distribution systems, subway traction power supply, high-rise buildings, and data centers. The upstream of the industry chain includes suppliers of zinc oxide powder, ceramic matrix, aluminum flanges, epoxy insulating components, and alternative insulating gases; the downstream customers are mainly power grid construction operators (State Grid, China Southern Power Grid, KEPCO, EDF, TenneT, etc.), large-scale power engineering EPC contractors, and high-end industrial power system users. Regarding gross profit margins, due to the complex manufacturing process and extremely high reliability requirements, manufacturers' gross profit margins

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are typically between 35% and 55%, with some high-voltage or ultra-high-voltage products even reaching 60%.

United States market for Environmentally Friendly GIS Tank-Type Lightning Arrester is estimated to increase from US$ million in 2025 to US$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for Environmentally Friendly GIS Tank-Type Lightning Arrester is estimated to increase from US$ million in 2025 to US$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for Environmentally Friendly GIS Tank-Type Lightning Arrester is estimated to increase from US$ million in 2025 to US$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key Environmentally Friendly GIS Tank-Type Lightning Arrester players cover Siemens Energy, Hitachi Energy, Jinguan Electric, CHINT Group, Ningbo Zhenhai Guochuang High-voltage Electric Apparatus, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LP Information, Inc. (LPI) ' newest research report, the “Environmentally Friendly GIS Tank-Type Lightning Arrester Industry Forecast” looks at past sales and reviews total world Environmentally Friendly GIS Tank-Type Lightning Arrester sales in 2025, providing a comprehensive analysis by region and market sector of projected Environmentally Friendly GIS Tank-Type Lightning Arrester sales for 2026 through 2032. With Environmentally Friendly GIS Tank-Type Lightning Arrester sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US$ millions of the world Environmentally Friendly GIS Tank-Type Lightning Arrester industry.

This Insight Report provides a comprehensive analysis of the global Environmentally Friendly GIS Tank-Type Lightning Arrester 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 Environmentally Friendly GIS Tank-Type Lightning Arrester portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms’ unique position in an accelerating global Environmentally Friendly GIS Tank-Type Lightning Arrester market.

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This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Environmentally Friendly GIS Tank-Type Lightning Arrester 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 Environmentally Friendly GIS Tank-Type Lightning Arrester.

This report presents a comprehensive overview, market shares, and growth opportunities of Environmentally Friendly GIS Tank-Type Lightning Arrester market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Built-In Type

Independent Chamber Type

Modular Combination Type

Segmentation by Voltage Level:

Medium Voltage (40–145kV)

High Voltage (220–550kV)

Ultra-high Voltage (800–1100kV)

Segmentation by Function:

Transformer Protection Type

Line Protection Type

Segmentation by Application:

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Substation

Power Plant

Industrial Power Distribution System

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.

Siemens Energy

Hitachi Energy

Jinguan Electric

CHINT Group

Ningbo Zhenhai Guochuang High-voltage Electric Apparatus

Key Questions Addressed in this Report
What is the 10-year outlook for the global Environmentally Friendly GIS Tank-Type Lightning Arrester market?

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What factors are driving Environmentally Friendly GIS Tank-Type Lightning Arrester market growth, globally and by region?
Which technologies are poised for the fastest growth by market and region?
How do Environmentally Friendly GIS Tank-Type Lightning Arrester market opportunities vary by end market size?
How does Environmentally Friendly GIS Tank-Type Lightning Arrester break out by Type, by Application?

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