

# Global Lightning and Surge Protection for Wind Turbines Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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## Abstracts

Lightning and surge protection for wind turbines involves implementing measures to mitigate the risks posed by lightning strikes and electrical surges, which can damage critical components of the turbine's electrical and control systems. This typically includes installing lightning rods or air terminals at the highest points of the turbine structure to attract and safely dissipate lightning strikes, as well as surge protection devices such as surge arresters and surge suppressors to divert excess electrical energy away from sensitive equipment. Grounding systems are also essential to provide a low-resistance path for lightning currents to safely dissipate into the ground. Proper design, installation, and maintenance of lightning and surge protection systems are crucial to ensure the reliable operation and longevity of wind turbines while minimizing downtime and repair costs.

According to our (Global Info Research) latest study, the global Lightning and Surge Protection for Wind Turbines market size was valued at US\$ million in 2023 and is forecast to a readjusted size of USD million by 2030 with a CAGR of %during review period.

This report is a detailed and comprehensive analysis for global Lightning and Surge Protection for Wind Turbines 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 2024, are provided.

### Key Features:

Global Lightning and Surge Protection for Wind Turbines market size and forecasts, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2019-2030

Global Lightning and Surge Protection for Wind Turbines market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2019-2030

Global Lightning and Surge Protection for Wind Turbines market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Units), and average selling prices (US\$/Unit), 2019-2030

Global Lightning and Surge Protection for Wind Turbines market shares of main players, shipments in revenue (\$ Million), sales quantity (Units), and ASP (US\$/Unit), 2019-2024

### 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 Lightning and Surge Protection for Wind Turbines

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 Lightning and Surge Protection for Wind Turbines 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 DEHN, ABB, Raycap, Schunk Carbon Technology, Polytech, nVent, Ingescor, Siemens, Dexmet, Lightning Master, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

### Market Segmentation

Lightning and Surge Protection for Wind Turbines market is split by Type and by Application. For the period 2019-2030, 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

Rotor Protection

External Lightning Protection for Nacelle

Surge Protection for Nacelle

Surge Protection in Tower Base

Earthing, Equipotential Bonding

#### Market segment by Application

Onshore Wind Turbine

Offshore Wind Turbine

#### Major players covered

DEHN

ABB

Raycap

Schunk Carbon Technology

Polytech

nVent

Ingesco

Siemens

Dexmet

Lightning Master

Wind Power LAB

GEV Wind Power

Baltimore Wind Services

Wenzhou Arrester Electric

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 Lightning and Surge Protection for Wind Turbines product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Lightning and Surge Protection for Wind Turbines, with price, sales quantity, revenue, and global market share of Lightning and

Surge Protection for Wind Turbines from 2019 to 2024.

Chapter 3, the Lightning and Surge Protection for Wind Turbines competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Lightning and Surge Protection for Wind Turbines breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2019 to 2030.

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 2019 to 2030.

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 2019 to 2024. and Lightning and Surge Protection for Wind Turbines market forecast, by regions, by Type, and by Application, with sales and revenue, from 2025 to 2030.

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 Lightning and Surge Protection for Wind Turbines.

Chapter 14 and 15, to describe Lightning and Surge Protection for Wind Turbines sales channel, distributors, customers, research findings and conclusion.

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