

Power Generation Market Size, Share, and Analysis, By Type (Nuclear Electricity, Hydroelectricity, Solar Electricity, Biomass Electricity, Wind Electricity, Fossil Fuel Electricity, Geothermal Electricity, Other Electricity), By Source (Renewable Source {Wind, Solar, Biogas, Hydro, Others}, Conventional/Non-Renewable Source {Natural Gas, Coal, Oil, Others}), By Grid (On Grid, Off Grid), By End-User (Residential, Industrial, Transportation, Commercial) and Regional Forecasts, 2022-2032

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Abstracts

Power Generation Market Size, Share, and Analysis, By Type (Nuclear Electricity, Hydroelectricity, Solar Electricity, Biomass Electricity, Wind Electricity, Fossil Fuel Electricity, Geothermal Electricity, Other Electricity), By Source (Renewable Source {Wind, Solar, Biogas, Hydro, Others}, Conventional/Non-Renewable Source {Natural Gas, Coal, Oil, Others}), By Grid (On Grid, Off Grid), By End-User (Residential, Industrial, Transportation, Commercial) and Regional Forecasts, 2022-2032

PRODUCT OVERVIEW

Power Generation Market size was USD 1529.9 billion in 2021 and projected to grow from USD 1685.2 billion in 2023 to USD 2622.4 billion by 2032, exhibiting a CAGR of 5% during the forecast period.

Power generation is a process of transforming different energy forms into electrical

energy. Power generation industry carries out operations like producing power and distributing it. Power is utilized in several applications and the sources of power generation are classified into renewable and non-renewable energy. Electricity is generated at power plant with the aid of energy forms like nuclear, fossil fuels, solar, geothermal, etc. The high demand of power and growing population along with urbanization is boosting the market.

MARKET HIGHLIGHTS

Power Generation Market is expected to reach USD 2622.4 billion, growing at a CAGR of 5% during forecast period owing to the high demand for electricity, growing population and rapid urbanization which is anticipated to boost the market growth. Various developments in infrastructure projects have the necessity of power and this growing consumption creates demand for market growth. Investments made for generating power in the developing countries globally is anticipated to drive the demand for the growth of Power Generation Market.

Power Generation Market Segments:

Type

Nuclear Electricity

Hydroelectricity

Solar Electricity

Biomass Electricity

Wind Electricity

Fossil Fuel Electricity

Geothermal Electricity

Other Electricity

Source

Renewable Source {Wind, Solar, Biogas, Hydro, Others}

Conventional/Non-Renewable Source {Natural Gas, Coal, Oil, Others}

Grid

On Grid

Off Grid

End-User

Residential

Industrial

Transportation

Commercial

MARKET DYNAMICS

Growth Drivers

Growing Population is Expected to Boost the Growth of the Market

Increasing Acceptance of Smart Technologies is Expected to Boost the Growth of the Market

Restraint

Aging Infrastructure May Restrain the Growth of the Market

Key Players

Enel SpA

State Power Investment Corporation

Electricite De France SA

Tata Power

Endesa SA

NTPC Limited

Exelon Corp

Adani Power

Engie

NHPC Limited

EDF Energy

Hokkaido Electric Power Company

E.ON SE

RWE

Centrica

Scottish Power

AGL Energy

Other Prominent Players (Company Overview, Business Strategy, Key Product Offerings, Financial Performance, Key Performance Indicators, Risk Analysis, Recent Development, Regional Presence, SWOT Analysis)

Global Laboratory Temperature Control Units Market is further segmented by region into:

North America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – United States and Canada

Latin America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – Mexico, Argentina, Brazil and Rest of Latin America

Europe Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – United Kingdom, France, Germany, Italy, Spain, Belgium, Hungary, Luxembourg, Netherlands, Poland, NORDIC, Russia, Turkey and Rest of Europe

Asia Pacific Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – India, China, South Korea, Japan, Malaysia, Indonesia, New Zealand, Australia and Rest of APAC

Middle East and Africa Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – North Africa, Israel, GCC, South Africa and Rest of MENA

Reasons to Purchase this Report

Qualitative and quantitative analysis of the market based on segmentation involving both economic as well as non-economic factors

Provision of market value (USD Billion) data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry with respect to recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market of various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

3-month post-sales analyst support.

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