

North America UPS Market – by Type (Online, Offline, Line Interactive), By Rating (5.1kVA-50kVA, Less than 5KVA, 50.1kVA-200kVA, Others), By Application (Residential, Commercial, Industrial, Government), By Sector (BFSI, OEM, Solar, Railways, Oil & Gas, Power, Healthcare, IT, Housing, Others), By Country, Competition, Forecast and Opportunities, 2028.

<https://marketpublishers.com/r/N5974F0435E3EN.html>

Date: October 2023

Pages: 130

Price: US\$ 4,400.00 (Single User License)

ID: N5974F0435E3EN

Abstracts

The North America UPS Market is anticipated to grow robustly in the forecast period 2024-2028. The infrastructure in North America is well-developed and grow up, voltage changes and power outages still happen. To prevent data loss, equipment damage, and operational hiccups, businesses and industries require a consistent and dependable power supply. Backup power sources like UPS systems make sure that equipment keeps running even when there is a power loss and protect it from poor power. For instance, 3,930 terawatt hours of electricity were consumed in the US in 2021. Numbers represent energy end usage, which is the total of retail sales and the producing entity's direct use of electricity.

The reassured power protection offered by an uninterruptible power supply (UPS) is for connected devices.. When UPS alerts the end user of the power outage while they are using the computer, they have enough time to save any work-in-progress data and shut down the computer before the battery runs out. Any data in the computer's random-access memory (RAM) is destroyed when all power is lost. Power surges are prevented from harming the computer by a UPS, which detects the surge.

Growing Data Center Industry in the Region

The growth of data centres in North America is being driven by the development of data-intensive applications, internet services, and the rising demand for cloud computing. Important infrastructure found in data centres requires a constant source of power. UPS systems are essential for supplying backup power during power outages and ensuring that data centres continue to operate without interruption. For instance, Amazon Web Services (AWS) presented a modular data center (MDC) to the US government in February 2023 to make it simpler to construct temporary bit barns run by AWS in outlying areas. For US Department of Defense (DoD) organizations, AWS MDC is a self-contained modular data center unit that can scale by deploying additional units. Each is kept inside a tough shipping container that may be used to move cargo by ship, rail, truck, or military cargo aircraft.

Additionally, government is acting towards less energy consumption methods owing to which the market is expected to grow with the high CAGR in the forecast period. For instance, in September 2022, the US Department of Energy investment of USD 42 million is done, which help in reduction in the amount of energy used for data center cooling and achieving net zero carbon dioxide emissions by the year 2050.

Continuous rise in the product innovations driving the Market

There is a continuous rise in the product innovations such as portable UPS, online UPS which is driving the North American UPS. Online UPS is the world's most popular solution for protecting any delicate electronic and electrical hardware or data from power shortages and fluctuations rapidly used in the residential and commercial sectors of North America. Moreover, due to a lack of power, the expansion of IT, banking, and small and medium-sized businesses, as well as higher consumer income levels. It has become essential that companies invest in research and development (R&D) to grow the market in the region.

For instance, Mexico is putting in place several policies to adopt UPS systems for reliable power backup solutions. These policies have a significant positive impact on the expansion of the UPS market in North America. Due to insufficient power supply, consumers would be more likely to adopt UPS systems as the use of electronic items such as refrigerators, air conditioners, televisions, and microwaves is anticipated to rise ..

Growing demand of UPS in several verticals

The market is mainly driven by increasing demand for UPS technology in healthcare

and pharmaceutical, industrial applications, and telecommunication. These sectors increase in sales of three-phase UPS systems for developments in the industry and increasing demand for UPS technology in several applications. Among all the applications healthcare is investing more in UPS. It possesses sophisticated medical equipment for diagnosing patients. Hospitals use complex medical technology, which is open to power fluctuations. Thus, an increase in demand for intelligent power backup systems for running medical equipment is likely to propel the demand for UPS technology in healthcare applications.

Double-Conversion UPS Automatic Change Battery Mode

Now a days people are using double conversion UPS. A double-conversion UPS changes to battery mode automatically if the main supply or fluctuations exceed some specified parameters. As the utility stockpile returns to normal, the UPS returns to mains mode and begins re-energizing the batteries. The future of the UPS industry shall be evolving as the applications become smarter. Right from Smart grid connectivity to smart cities, future UPS technologies and applications are expected to be smarter and more efficient to meet the future demands.

Extreme Technological Complexities & Lack of Standards

High technological complexity and a lack of industry standards in relation to UPS goods have motivated regional manufacturers to enter the market and offer low-quality, inexpensive items that are either defective or only function for a short time. As a result, the market for authorized producers suffers. The specific requirements of each client can result in an increase in technical complexity. The main technological developments in UPS operations are energy storing, modularity, and scalability. Every end-use manufacturing company has different requirements. This makes it hard for the producers to satisfy such requests.

The increased usage of UPS batteries emphasizes the importance of keeping them fully charged to prevent any expensive problems brought on by a power outage. This could result in major problems including data loss and hours of lost work due to a power outage or surge. The market for uninterruptible power supply (UPS) systems in North America may experience growth barriers due to these variables that cause UPS systems to fail.

Market Segmentation

The North America UPS Market is segmented into type, rating, application, sector, and country. Based on type, the market is segmented into online, offline, and line interactive. Based on rating, the market is segmented into 5.1kVA-50kVA, less than 5KVA, 50.1kVA-200kVA, and others. Based on application, the market is divided into residential, commercial, industrial and government. Based on sector, the market is segmented into BFSI, OEM, solar, railways, oil & gas, power, healthcare, IT, housing, and others. Based on country, market is divided into United States, Canada, and Mexico.

Market player

Major players operating in the North America UPS Market are General Electric, Always on UPS Systems Canada Inc., Toshiba International Corporation, Quality Power Solutions, Langley Holdings plc, Delta Electronics, Inc., S&C Electric Company, Siemens USA , Eaton Corporation plc, EPS Power, AEG Power Solutions.

Report Scope:

In this report, North America UPS Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

North America UPS Market, By Type:

Online

Offline

Line Interactive

North America UPS Market, By Rating:

5.1kVA-50Kva

less than 5KVA

50.1kVA-200kVA

Others

North America UPS Market, By Application:

Residential

Commercial

Industrial

Government

North America UPS Market, By Sector:

BFSI

OEM

Solar

Railways

Oil & Gas

Power

Healthcare

IT

Housing

Others

North America UPS Market, By Country:

United States

Canada

Mexico

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the North America UPS Market.

Available Customizations:

North America UPS Market report with the given market data, Tech Sci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

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