

AC Power Sources Market by Phase Type (Single, Three), Modulation Type (PWM, Linear), Application (Aerospace, Defense & Government Services, Energy, Wireless Communication & Infrastructure, Consumer Electronics & Appliances) & Region - Global Forecast to 2027

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Abstracts

The AC power sources market size will grow to USD 1.7 Billion by 2027 from USD 1.5 Billion in 2022, at a CAGR of 2.2% during the forecast period. The increase in equipment required to be tested and measured for the growing renewable energy and electric vehicle infrastructure is driving the AC power sources market.

“Defence & Government services segment is expected to emerge as the second fastest segment based on application”

The AC power sources market has been segmented into aerospace, defence & government services, energy, wireless communication & infrastructure, consumer electronics & appliances, and others based on application. AC power sources are used for testing commercial applications such as multiparameter cockpit indicators and display systems, engine and aircraft condition monitoring systems, data acquisition and signal processing systems, fuel and fluid gauging mass fuel flow measurement, and engine sensors and cable harness assemblies.

“Three phase: The fastest segment of the AC power sources market, by power supply phase”

Based on the power supply phase, the AC power sources market has been split into

Single phase and Three phases. Since, In a three-phase AC power supply, there is an equal load distribution, hence the capacity of the power transfer is more as compared to a single phase. A three-phase power supply provides a steady stream of power at a constant rate, which makes it possible to carry more load.

“Asia Pacific is expected to be the largest market during the forecast period.”

The Asia Pacific is expected to be the fastest growing market due to the increasing investments in automotive projects and the development of renewable energy sectors. Asia is the world's largest electronic products producing and exporting region, mainly thanks to the region's low labour costs, high availability of skilled workers, preferential trading access to Europe and America, increasing foreign direct investment, and strong government support.

Breakdown of Primaries:

In-depth interviews have been conducted with various key industry participants, subject-matter experts, C-level executives of key market players, and industry consultants, among other experts, to obtain and verify critical qualitative and quantitative information, as well as to assess future market prospects. The distribution of primary interviews is as follows:

By Company Type: Tier 1- 65%, Tier 2- 24%and Tier 3- 11%

By Designation: C-Level- 30%, Managers- 25%, and Others- 45%

By Region: North America- 33%, Europe- 27%, Asia Pacific- 20%, the Middle East & Africa- 8%, and South America-12%

Note: Others includes product engineers, product specialists, and engineering leads.
Note: The tiers of the companies are defined on the basis of their total revenues as of 2021. Tier 1: > USD 1 billion, Tier 2: From USD 500 million to USD 1 billion, and Tier 3: The AC power sources market is dominated by a few major players that have a wide regional presence. The leading players in the AC power sources market are Keysight Technologies (US), Chroma ATE (Taiwan), AMETEK (US), Pacific Power Source (US), and Matsusada Precision (Japan).

Research Coverage:

AC Power Sources Market by Phase Type (Single, Three), Modulation Type (PWM, Linear), Application (Aerospace,...

The report defines, describes, and forecasts the global AC power sources market, by power supply phase type, by modulation and region. It also offers a detailed qualitative and quantitative analysis of the market. The report provides a comprehensive review of the major market drivers, restraints, opportunities, and challenges. It also covers various important aspects of the market. These include an analysis of the competitive landscape, market dynamics, market estimates, in terms of value, and future trends in the AC power sources market.

Key Benefits of Buying the Report

1. The report identifies and addresses the key markets for AC power sources, which would help equipment manufacturers review the growth in demand.
2. The report helps system providers understand the pulse of the market and provides insights into drivers, restraints, opportunities, and challenges.
3. The report will help key players understand the strategies of their competitors better and help them in making better strategic decisions

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*Details on Business Overview, Products/Solutions/Services Offered, Recent Developments, and MnM View (Key strengths/Right to Win, Strategic Choices Made, and Weaknesses and Competitive Threats) might not be captured in case of unlisted companies.

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