Battery Storage Inverter Market By Type (Single-Phase Electric Power, Three-Phase Electric Power), By End Use Industry (Residential, Commercial, Utility Scale

Market Report | 2023-09-01 | 221 pages | Allied Market Research

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Report description:

The global battery storage inverter market was valued at $2.8 billion in 2022, and is projected to reach $6.5 billion by 2032, growing at a CAGR of 8.8% from 2023 to 2032.
A battery storage inverter converts direct current (DC) electricity generated or stored by solar panels or batteries into alternating current (AC) electricity that can be used to power household appliances and be fed into the grid. It allows your energy storage system to interact with the electrical grid. When there is excess energy generated from solar panels or stored in batteries, it can be fed back into the grid, and when needed, electricity can be drawn from the grid to charge the batteries or power your home. Battery storage inverters can be programmed to optimize self-consumption. This means that when solar panels are generating excess electricity, the inverter can prioritize charging the batteries or running appliances rather than exporting excess energy to the grid. Battery storage inverters manage the charging and discharging of energy storage batteries to maximize their lifespan and performance. They also prevent overcharging and over-discharging, which can damage batteries. Many modern battery storage inverters come with data monitoring capabilities, allowing homeowners to track their energy production, consumption, and battery status through mobile apps or web interfaces. Battery storage inverters should be highly efficient to minimize energy losses during the conversion process. Look for inverters with high efficiency ratings.
Some systems allow you to add more batteries or expand your energy storage capacity over time. Ensure that your chosen inverter can accommodate future expansions. Battery storage inverters are a crucial component of modern energy systems, enabling homeowners and businesses to harness the benefits of energy storage and renewable energy sources like solar power.
Increasing demand for grid-connected solutions
The battery storage inverter market is growing due to the increasing demand for grid-connected solutions. Grid-connected battery storage systems, which utilize battery storage inverters, have gained significant traction in recent years. These systems offer numerous benefits and address various challenges associated with electricity grids.Battery storage systems connected to the grid can provide stability and flexibility to the electrical network. They can store excess electricity during periods of low demand and feed it back into the grid during peak demand, helping to balance supply and demand and mitigate grid fluctuations.
Grid-connected battery storage systems can help manage peak demand periods by providing additional power when the demand

surpasses the supply capacity. This helps avoid blackouts, reduces strain on the grid infrastructure, and minimizes the need for expensive grid upgrades. This factor will drive market growth during the forecast period.
The global Battery Storage Inverters market is segmented on the basis of types, end use industry and regions. On the basis of types, the market is segmented into single-phase electric power and three-phase electric power. On the basis of end use industry, it is segmented into residential, commercial , utility-scale and others. On the basis of region, the market is studied across North America, Europe, Asia-Pacific, and LAMEA.
Major players operating in the global Battery Storage Inverters market include KACO new energy, SMA Solar Technology AG, Sensata Technologies, Inc., Ingeteam, SolaX Power, Poweroneups, GOODWE, Eaton, SUNGROW, and Guangdong Zhicheng Champion Group Co., Ltd. These players have adopted product launch as their key strategy to strengthen their presence in the market. Furthermore, 0key strategies, such as expansion, mergers, and acquisition, are adopted by the potential market leaders to facilitate effective planning are discussed under the scope of the report.
Key Benefits For Stakeholders
-This report provides a quantitative analysis of the market segments, current trends, estimations, and dynamics of the battery storage inverter market analysis from 2022 to 2032 to identify the prevailing battery storage inverter market opportunities.
-The market research is offered along with information related to key drivers, restraints, and opportunities.
-Porter's five forces analysis highlights the potency of buyers and suppliers to enable stakeholders make profit-oriented business decisions and strengthen their supplier-buyer network.
-In-depth analysis of the battery storage inverter market segmentation assists to determine the prevailing market opportunities.
-Major countries in each region are mapped according to their revenue contribution to the global market.
-Market player positioning facilitates benchmarking and provides a clear understanding of the present position of the market players.
-The report includes the analysis of the regional as well as global battery storage inverter market trends, key players, market segments, application areas, and market growth strategies.

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Possible Customization with this report (with additional cost and timeline, please talk to the sales executive to know more)
- Product Life Cycles
- Pain Point Analysis
- Regulatory Guidelines
- Additional company profiles with specific to client's interest
- Additional country or region analysis- market size and forecast
- Criss-cross segment analysis- market size and forecast
- Expanded list for Company Profiles
- Historic market data
- Key player details (including location, contact details, supplier/vendor network etc. in excel format)

- List of customers/consumers/raw material suppliers- value chain analysis
- Market share analysis of players at global/region/country level

Key Market Segments

By Type

- Single-Phase Electric Power
- Three-Phase Electric Power

By End Use Industry

- Residential
- Commercial
- Utility Scale

By Region

- North America
- U.S.
- Canada
- Mexico
- Europe
- Germany
- UK
- France
- Italy
- Spain
- Rest of Europe
- Asia-Pacific
- China
- Japan
- India
- South Korea
- Australia
- Rest of Asia-Pacific
- LAMEA
- Brazil
- Saudi Arabia
- South Africa
- Rest of LAMEA
- Key Market Players
- Eaton
- KACO new energy
- GOODWE
- Ingeteam
- Sensata Technologies, Inc.
- SolaX Power
- Poweroneups
- SUNGROW
- Guangdong Zhicheng Champion Group Co., Ltd.
- SMA Solar Technology AG

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