

Commercial and Industrial Solar PV Mounting Systems Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2024 to 2032

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Abstracts

The Global Commercial and Industrial Solar PV Mounting Systems Market was valued at USD 4.4 billion in 2023 and is projected to grow at a CAGR of 5.1% by 2032. These systems are essential for securing solar panels to rooftops, buildings, or ground surfaces, ensuring they remain properly positioned for maximum energy capture. Key factors influencing the market include the structural integrity of the mounting systems, their durability, ease of installation, and their ability to withstand various environmental conditions. The increasing uptake of solar PV mounting systems is being driven by regulatory reforms that promote renewable energy solutions. These reforms, which include subsidies, financial incentives, and asset leverage tools, are encouraging the shift towards clean energy.

Additionally, ongoing technological advancements and innovations, along with decreasing costs, are intensifying competition within the industry. The large-scale deployment of renewable energy is also being supported by its growing role in achieving energy transition goals, further boosting market growth. Based on technology, the market is segmented into Fixed and Tracking systems. The Fixed segment is expected to surpass USD 4.5 billion by 2032. These systems, made from a combination of steel and aluminum, are widely used for residential and commercial solar installations due to their cost-effectiveness and ease of deployment.

Their suitability for locations with geographical and siting constraints has made them a popular choice among consumers. When segmented by product, the market includes Ground Mounted and Rooftop systems. The Ground Mounted segment is forecasted to grow at a CAGR of over 4.5% during the forecast period. This growth is driven by rising investments aimed at creating a sustainable energy mix across various industries. Ground-mounted systems offer cost benefits and access to green financing options, further encouraging adoption. Additionally, favorable regulatory policies, such as feed-in

tariffs and power purchase agreements, are expected to support the expansion of ground-mounted solar systems in the coming years. In the Asia Pacific, the market is projected to exceed USD 2.1 billion by 2032. The growing focus on energy conservation and the increasing demand for solar systems are driving market expansion in the region. Government initiatives aimed at replacing conventional power generation methods with renewable solutions further stimulate growth in the solar PV mounting systems market across the Asia Pacific.

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