

## **United Kingdom Photovoltaic Mounting System Market Report and Forecast 2025-2034**

Market Report | 2025-06-06 | 103 pages | EMR Inc.

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### **Report description:**

The United Kingdom photovoltaic mounting system market size reached approximately USD 730.90 Million in 2024. The market is projected to grow at a CAGR of 8.00% between 2025 and 2034, reaching a value of around USD 1577.96 Million by 2034.

#### Key Takeaways

Photovoltaic mounting systems are used to affix solar panels onto various surfaces, including building facades, rooftops, and open grounds, among others. They are made from materials that have excellent corrosion resistance, blizzard resistance, and other properties such as resistance to severe weather conditions. Their thickness can be customised as per individual requirements and their main components include rails, clamps, screws, and tripods, among others.

The market is being driven by solar racking systems' simple retrofittable properties, which makes them easy to install at different places to maximise energy storage and production. The United Kingdom photovoltaic mounting system market growth is also being driven by the increasing adoption of solar panels across the UK, which hit a 12-year high in January 2024, besides the launch of innovative racking system designs, including vertical mount systems, canopies, and fencing systems, among others.

#### Key Trends and Developments

Rising use of lightweight materials; the switch to ballasted PV mounting systems; the integration of smart technologies; and the emergence of new designs are the major trends impacting the market growth.

Sept. 13th 2023

Orsted and PS Renewables began planning to develop a solar farm in Nottinghamshire worth 740 MW capacity as a part of its

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expansion project.

June 15th 2023

Turn2Sun Renewables developed a solar racking system that utilises reused wind turbine blades to leverage a metallic structure, which supports bifacial PV modules.\_x000D\_

Apr. 19th 2023

Mibet developed a solar mounting system for balconies which are pre-bolted and fixed, thereby eliminating any damage to the building structure. They are corrosion-resistant and come in different shades, including natural silver.

Manufacturing PV mounting systems using lightweight materials

To streamline installation time and reduce the cost of deployment of solar panels, composite materials are being utilised for making PV mounting systems.

Switch towards ballasted mounting PV systems

These systems are perfect for flat-roofed/ low-sloping houses. They do not have any drilling requirements but are cemented to the roof surface with concrete.

Integration of smart technologies into PV mounting systems

With the emergence of advanced sensors and miniature tracking devices, monitoring and maintaining solar racking systems has become simpler.

Emergence of new designs in PV mounting systems

The development of new designs such as canopy design of PV mounting systems is making it easier to install solar panels in public spaces, like parking lots and malls.

The development of lightweight and advanced materials

Advancements in nanotechnology and the development of advanced materials are driving the development of resilient, robust, and lightweight mounting structures.

United Kingdom Photovoltaic Mounting System Market Trends

Ballasted photovoltaic mounting systems generally have square/circular frames, which are manufactured from industrial-grade plastic and other durable materials. Solar panels are generally affixed to their top clamps while their lower pans hold a correcting weight. They are best suited for roofs with a sloping angle between 1-7 degrees and can fight and withstand wind lift better than other mounting structures.

Fault diagnosis and predictive maintenance are further driving the United Kingdom photovoltaic mounting system market development. Through the installation of advanced sensors and tracking devices, industries and consumers can monitor the defects in solar racking systems easily and undertake timely repair and maintenance tasks. This saves money and time while

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ensuring the stability of the solar panel supporting structure.

## Market Segmentation

"United Kingdom Photovoltaic Mounting System Market Report and Forecast 2025-2034" offers a detailed analysis of the market based on the following segments:

### Market Breakup by Product Type

- Roof Top
- Ground Mounted

### Market Breakup by Technology

- Fixed
- Tracking

### Market Breakup by End Use

- Residential
- Commercial
- Industrial
- Municipal and Government Facilities

Fixed technology is expected to dominate the United Kingdom photovoltaic mounting system market share in the coming years

British households are expected to boost their reliance on solar power to reduce their electricity bills and minimise their carbon footprint. Currently, 1.3 million + households in the UK have solar panel installation and in 2023, 17,000 new households installed solar panels monthly.

Fixed technology PV mounting systems are generally south-facing and installed at a fixed angle to the roof/ ground, which maximises the exposure to sunlight and ensures enhanced energy efficiency in the UK. Such systems are stationary and do not require tracking systems, making them ideal for small commercial and residential applications.

The ease of installation, simple structure, and low maintenance and installation costs of these systems are aiding the United Kingdom photovoltaic mounting system market expansion. The demand for tracking technology-based PV mounting systems is also expected to remain significant over the forecast period. This is due to the increase in the establishment of solar farms in the UK to meet ever-increasing consumer demand for renewable energy and ensure a clean fuel supply for industrial operations and processes.

## Competitive Landscape

Major market players are collaborating to create innovative designs for photovoltaic mounting systems.

Other key players in the United Kingdom photovoltaic mounting system market include Van der Valk Horti Systems B.V., Enstall Group B.V. (ESDEC), Clenergy (Xiamen) Technology Co., Ltd., Schletter Solar GmbH, GB-SOL LIMITED, and Sunfixings Group Limited, among others.

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