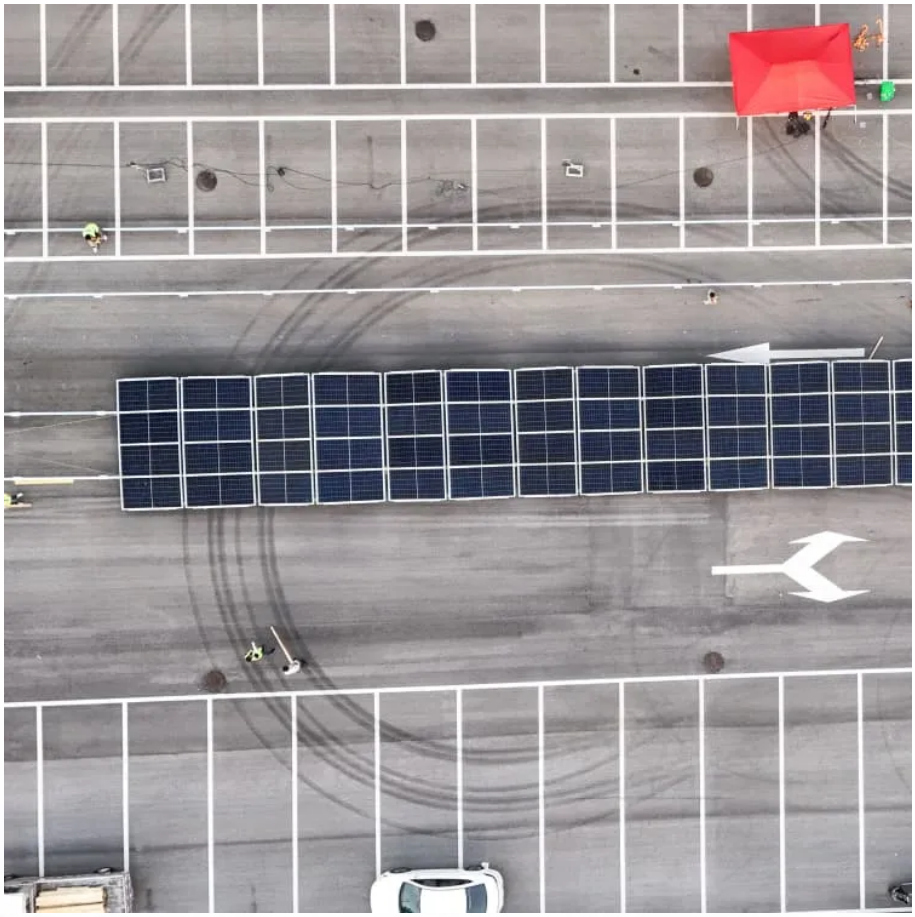
A-Core Container

Micro inverter boom period



Overview

The single phase microinverter segment is projected to grow at 10.4% CAGR from 2025 to 2034, driven by the rising integration of single phase solar and energy storage systems in residential applications.What are the emerging micro inverter market trends?

Emerging micro inverter market trends indicate that the standalone micro inverter segment will grow at a relatively higher CAGR during the forecast period, owing to their compact size and ability to be installed in remote areas without grid connectivity. In fact, they have become highly sought-after products in residential buildings.

What is the global micro inverter market size?

The global micro inverter market size was estimated at USD 4.67 billion in 2024 and is projected to reach USD 17.34 billion by 2030, at a CAGR of 24.58% from 2025 to 2030. The market is experiencing steady growth, driven by the rising adoption of rooftop solar systems and the increasing emphasis on maximizing energy efficiency.

Why is the micro inverter market growing?

The market is experiencing steady growth, driven by the rising adoption of rooftop solar systems and the increasing emphasis on maximizing energy efficiency. North America held the largest revenue share of 37.74% in the global micro inverter market. The micro inverter market in the U.S. is experiencing strong momentum.

What is the growth rate of micro inverter market in 2025?

Single Phase will dominate with a 38.6% market share, while standalone will lead the connectivity segment with a 41.9% share. The Micro Inverter Market is estimated to be valued at USD 2.3 billion in 2025 and is projected to reach USD 5.7 billion by 2035, registering a compound annual growth rate (CAGR) of 9.6% over the forecast period.

Who are the leading companies in the micro inverter market?

Some key players operating in the market are Enphase, Darfon Electronics Corporation, Deye Inverter, Sparq Systems, Fimer Group, Solis Solar, Tata Power Solar, and others. The following are the leading companies in the micro inverter market. These companies collectively hold the largest market share and dictate industry trends.

Is North America a promising market for micro inverters?

Regionally, North America, spearheaded by the USA, is emerging as a promising market for micro inverters owing to the presence of leading market players like Enphase Energy, increasing government investments in expanding solar infrastructure, and availability of advanced micro inverter products.

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