

SolarTech Power Solutions

Indian solar cell modules



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Overview

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According to a report by CareEdge Advisory, planned module capacity of over 215-220 GWp by FY28 is expected to entail investments of more than ₹14,000 crore. The country has achieved 100 GW of solar photovoltaic module manufacturing capacity under the government's Approved List of Models and.

A new report by SolarPower Europe, with India-specific projections contributed by the National Solar Energy Federation of India (NSEFI), projects India's solar module manufacturing capacity to increase significantly from 80 GW in 2025 to 160 GW by 2030. Cell manufacturing capacity is projected to.

India has nearly trebled its annual nameplate for solar cells from 9GW to 25GW between March 2024 and March 2025, according to the Ministry of New and Renewable Energy (MNRE). During the same period, the country's solar module manufacturing capacity has nearly doubled from 38GW in March 2024 to.

Indian solar module and cell exports increased 26.1% quarter-over-quarter (QoQ) to \$267.6 million (~₹23.1 billion) in the first quarter (Q1) of 2025 from \$212.2 million (~₹17.92 billion), according to recent data published by the Department of Commerce. However, module and cell exports declined.

India has set a target to establish a full domestic solar manufacturing ecosystem by 2028. The government's two schemes, PM KUSUM and PM Surya Ghar Muft Bijli Yojana (PMSGY), highlight the country's efforts towards the energy transition, supporting farmers and households, reducing emissions, and.

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