

India Photovoltaic Module Project





Overview

India's PLI scheme for high-efficiency solar panels has led to 18.5 GW of PV module manufacturing capacity as of June 30, 2025. It has also added 9.7 GW of solar cell capacity and 2.2 GW of ingot-wafer capacity. How big is India's solar PV module manufacturing capacity?

India's solar PV module manufacturing capacity increases from 2.3 GW to 67 GW under 10 years of Make In India.

How many solar PV module manufacturing projects are under PLI scheme?

Furthermore, over 48 GW of fully or partially integrated solar PV module manufacturing projects are currently under implementation under the solar PLI scheme. Once completed, these projects will attract an investment of approximately Rs. 1.1 lakh crores and create direct employment for around 45,000 people.

How is India's solar photovoltaic manufacturing industry growing?

The Indian solar photovoltaic (PV) manufacturing industry is growing by leaps and bounds, with frequent announcements of expansion or new investments in the sector. India's cumulative module manufacturing nameplate capacity more than doubled from 18GW in March 2022 to 38GW in March 2023.

Is India self-reliant in solar PV Manufacturing?

Boost to Solar PV manufacturing Solar PV manufacturing remains a significant focus of the Government's efforts. The Government is committed to making India self-reliant (Atmanirbhar) in solar PV manufacturing and establishing India as a major player in the global value chain.

How many solar modules did India import in the first quarter?

In the first half of 2024, government entities issued 7.6 GW solar modules tenders, representing a 191% year-over-year (YoY) increase. During the same period, India imported 13.2 GW of modules, a significant 338% YoY jump, with



84% arriving in the first quarter due to the temporary ALMM order relaxation.

Will PLI increase module capacity in India?

The results of both tranches of the PLI scheme show that there will be an increase of 51.6GW of module capacity and at least 27.4GW of integrated “polysilicon-to-module” capacity in India in the next three to four years.



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