

What is India's solar production capacity?

India's solar manufacturing capacity continues to accelerate, with module production reaching 68.4 GW, aiming to surpass 120 GW by 2030. Solar cell production currently stands at 24.6 GW and is expected to hit 65 GW within the same timeframe.

How big is India's solar supply chain?

The updated solar supply chain map of India published by Sinovoltaics, an internationally operating quality assurance firm headquartered in Hong Kong, indicates module capacity of 68.4 GW, cell capacity at 24.56 GW, and ingots at 14 GW.

How has India's solar supply chain changed in a year?

In just one-year, solar module manufacturing capacity nearly doubled--from 38 GW in March 2024 to 74 GW in March 2025. Similarly, solar PV cell manufacturing rose from 9 GW to 25 GW. A big milestone was the start of India's first ingot-wafer manufacturing facility (2 GW), further strengthening the entire solar supply chain.

Is India becoming a global hub for solar production?

"Solar cell production currently stands at 24.6 GW and is expected to hit 65 GW within the same timeframe," said the analysts, adding that ingot manufacturing is set to double from 14 GW to 28 GW, while polysilicon expansion has moderated due to declining global prices. "India is rapidly becoming a global hub for solar manufacturing and exports.

Explore India's solar supply chain in 2025, opportunities, growth trends and key challenges shaping the future of solar manufacturing.

India Solar Growth: India's solar energy expansion thrives, yet remains reliant on China's supply chain dominance, impacting energy independence.

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India's cumulative solar power capacity stood at 119.02 GW as of July 2025. This includes 90.99 GW from ground-mounted solar plants, 19.88 GW from grid-connected rooftop ...

Moreover, India's solar-related production-linked incentive (PLI) scheme, which provides incentives to companies to produce solar-related components in India, will further bolster India's ...

Trade wars & oversupply: India's solar industry at a crossroads. Can it balance explosive growth, fragmented production, amidst global shifts?

India's solar module manufacturing capacity is on track to surpass 125 GW by 2025, more than triple the domestic market demand of around 40 GW. According to Wood Mackenzie's ...

Union Budget 2026 Bets Big on Sustainable Power Union Budget 2026 has sent a strong message - India's growth story will be green, technology-driven, and self-reliant. With targeted policy ...

Solar energy in India - statistics & facts India's solar energy market is experiencing significant and rapid growth, establishing itself as a global leader in solar power deployment.

The latest Sinovoltaics solar supply chain report about PV manufacturing in India indicates module capacity of 68.4 GW, cell capacity at 24.5 GW, and ingots at 14 GW, with continued growth ...

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