

Indonesia factory solar power generation system





Overview

Will Indonesia build a 100 GW solar power plant?

Jakarta, August 7, 2025 - Indonesia will build a 100 Gigawatt (GW) Solar Power Plant (PLTS). The program plans to build 80 GW of solar power plants and 320 GWh of Battery Energy Storage System (BESS) to be managed by the Merah Putih Village Cooperative (KDMP) in 80,000 villages, and 20 GW of Centralized solar power plants.

Does Indonesia have a solar power plant?

The factory plays a key role in fulfilling Indonesia's 2025-2034 Electricity Supply Business Plan (RUPTL), which targets 17.1 GW of new solar power generation capacity within the next decade. As of now, Indonesia's total domestic solar panel production capacity stands at approximately 1.6 GWp annually.

Which is the largest solar panel factory in Indonesia?

As the first integrated solar cell and module manufacturing facility in the country, TMAI has an initial production capacity of up to 1 GW, making it the largest solar panel factory in Indonesia. The facility is also capable of producing some of the world's largest solar panels.

How many solar panels can Indonesia produce a year?

According to Pertamina, which cites data from the Ministry of Industry, the current domestic solar panel production capacity in Indonesia is 1.6 GW per year. "Our new factory will increase national production capacity to 3 GW so that it can later support the government's target of 300-400 GW in 2060," it stated, without providing further details.



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TMAI Inaugurates Indonesia's Largest Integrated Solar Panel Factory

Jun 19, 2025 · PT Dian Swastatika Sentosa Tbk, through a strategic collaboration with Trina Solar and PLN Indonesia Power Renewables, inaugurated Indonesia's first and largest integrated ...

Indonesia Solar Manufacturing Gets a 1.4 GW ...

Jul 30, 2025 · Indonesia is boosting its solar panel manufacturing with a new 1.4 GW facility in Batam. Learn how this major investment will help the ...

Indonesia's 'Largest' Vertically Integrated ...

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PLN Indonesia Power Launches Indonesia's ...

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Manufacturing mounts in Indonesia, deployment is 'underutilised'

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PLN Indonesia Power Launches Indonesia's Largest Solar Panel Factory

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