

# **Generator capacity of solar power plants in Indonesia**





## Overview

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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.

Can solar power plants be used in Indonesia?

Indonesia possesses solar energy potential with a capacity ranging from 3,300 GW to 20,000 GW, spanning from Sabang to Merauke. With increasingly affordable, modular, and easy-to-build and operate solar power plant (PLTS) technology, this project could serve as a strategic solution to provide reliable and affordable energy access across Indonesia.

How much solar power does Indonesia have?

Indonesia has massive solar power potential, estimated at 3,295 GW. However, the country's current solar energy capacity is only 1.1 GW. To address this gap, the government is launching the PLTS program to develop solar power plants in villages across the country, focusing on remote areas.

Will Indonesia's solar power plant demand increase by 2060?

Recently, IESR said the government targets increasing demand for solar power plants reaching up to 108.7 GW by 2060 (see Indonesia's 108.7 GW Solar Goal Needs Industry Plan: IESR). Within H1 2025, Indonesia's installed power generation capacity increased by 4.4 GW year-on-year.



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100 GW Solar Power Plant for Indonesia's Energy Self ...

Aug 8, 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 ...

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Solar PV still has significant potential in Indonesia

Feb 29, 2024 · All in all, Indonesia's solar PV potential is vast and is expected to become a dominant force in the nation's energy landscape by 2060 with, expectedly, over 60% of the ...

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Solar Energy In Indonesia: Potential and Outlook

Feb 21, 2024 · This will further increase demand for solar energy production in Indonesia, creating a significant market opportunity and demand for solar energy capacity. Ultimately, Indonesia ...

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Installed Capacity (MW) of Electricity State Company (MW), ...

Jan 30, 2025 · Installed Capacity (MW) of Electricity State Company (MW), 2023 Last Update : January 30, 2025

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Indonesia solar power target: 100 GW by 2060: Essential Plan

Sep 17, 2025 · Key Features of the Indonesia Solar Power Target Program The PLTS program involves constructing village solar power plants with a total capacity of up to 100 GW. These ...

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Indonesia ratifies plans for 42.6GW of ...

Jun 2, 2025 · The Indonesian government has ratified the PLN Electricity Supply Business Plan (RUPTL) 2025-2034, targeting 42.6GW of new ...

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Indonesia ratifies plans for 42.6GW of renewable energy capacity

Jun 2, 2025 · The Indonesian government has ratified the PLN Electricity Supply Business Plan (RUPTL) 2025-2034, targeting 42.6GW of new renewable energy generation capacity and ...

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Indonesia Announces 100 GW Solar Power Capacity Plan

Aug 12, 2025 · Recently, IESR said the government targets increasing demand for solar power plants reaching up to 108.7 GW by 2060 (see Indonesia's 108.7 GW Solar Goal Needs ...

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Indonesia unveils plan for 100 GW of solar

Aug 11, 2025 · The new initiative features plans for 80 GW of 1 MW solar minigrids with accompanying battery energy storage, to be deployed across 80,000 villages, alongside 20 ...

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Solar Power Plants in Indonesia: Locations, Impacts, and ...

Sep 9, 2024 · Conclusion The growth of solar power plants in Indonesia represents a critical



step towards a sustainable energy future. With its immense solar potential, strategic locations for ...

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#### Full Summary of Indonesia's RUPTL 2025-2034

May 28, 2025 · The government targets 76% of new power generation capacity to come from renewable energy in the RUPTL PLN 2025-2034. Read the full breakdown here.

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