

Indonesia s latest PV energy storage policy





Overview

Will Indonesia deploy 100 GW of solar?

The Indonesian government has revealed a new initiative aiming to deploy 100 GW of solar. The distributed solar for energy self-sufficiency program encompasses 80 GW of solar that will be deployed as 1 MW solar arrays with 4 MWh of accompanying battery energy storage systems (BESS).

How much will Indonesia invest in solar energy in 2024?

As of August 2024, \$112 million in solar investments has been announced. Tumiwa emphasized that Indonesia must be more ambitious in its solar targets to meet the Paris Agreement. He suggested the country should aim for 77 GW of solar capacity by 2030, requiring 9 GW to 15 GW of new capacity per year.

What is Indonesia's potential for solar energy?

Indonesia's technical potential for solar ranges from 3,300 GW to 20,000 GW, according to IESR estimates, while the country's long-term energy policy targets up to 108.7 GW of solar by 2060. If implemented effectively, the program could redefine Indonesia's energy landscape and serve as a global benchmark for large-scale distributed renewables.

How many solar projects are there in Indonesia?

Currently, there are 16.92 GW of solar projects in development across Indonesia, with a long-term projection of 350 GW to 550 GW by 2050. Investment in solar energy in Indonesia has also grown, nearly doubling from \$68 million in 2021 to \$135 million in 2023. As of August 2024, \$112 million in solar investments has been announced.

How much solar PV will Indonesia export to Singapore?

Indonesian exports to Singapore are expected to total 3.4GW, requiring approximately 7.56GW of solar PV capacity. The IESR report also notes a 19%



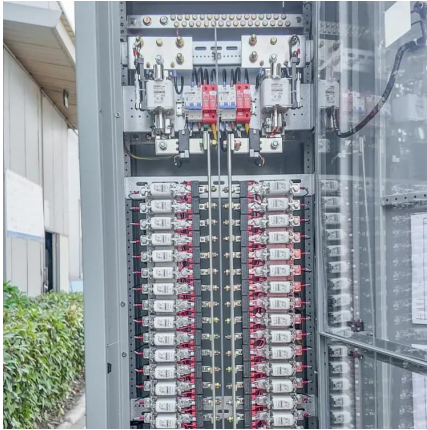
reduction in utility-scale solar PV development costs over the past five years, thanks to lower module prices and reduced soft costs.

Does Indonesia need an energy storage ecosystem?

IESR notes that Indonesia is still in the early stages of energy storage adoption and stresses the need for a comprehensive strategy to accelerate the development of an energy storage ecosystem.



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[Indonesia announces 100 GW solar, storage minigrid plan](#)

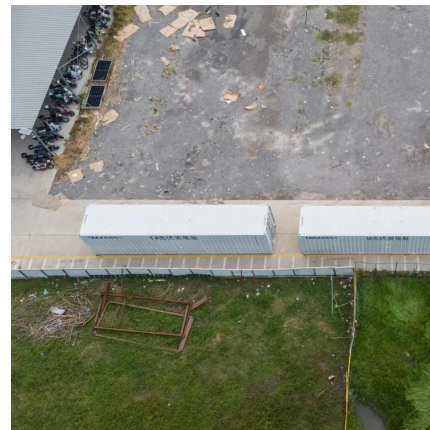
These solar-plus-storage minigrids are set to be installed in 80,000 villages across Indonesia and will be managed and operated by village cooperative Merah Putih. The initiative ...

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Indonesia announces bold 320 GWh distributed battery storage plan

Indonesia announces bold 320 GWh distributed battery storage plan The new initiative features plans for 1 MW solar minigrids tied with 4 MWh of accompanying battery ...

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Market Information

Solartech Indonesia 2026 - ASEAN's Key Solar PV Systems Platform Solatech Indonesia 2026 is held to support government plan to achieve Net Zero ...

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Both these projects are a step towards increasing Indonesia's share of renewable energy from 15%



to 23% by 2030 and aligning with the ambitious goal of ...

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[Indonesia surpasses 700MW installed solar PV capacity](#)

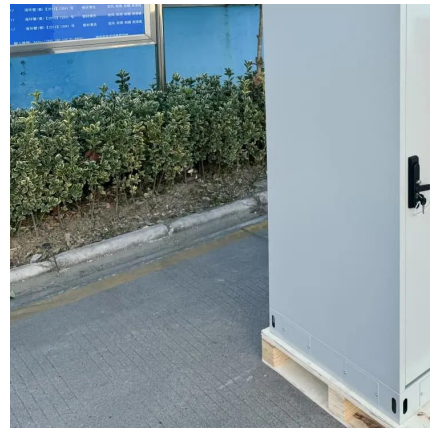
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[Solar-plus-storage site to power Indonesia's new ...](#)

A new 50MW solar-plus-storage plant near Indonesia's new capital city, Nusantara, on the island of Borneo, has been opened.

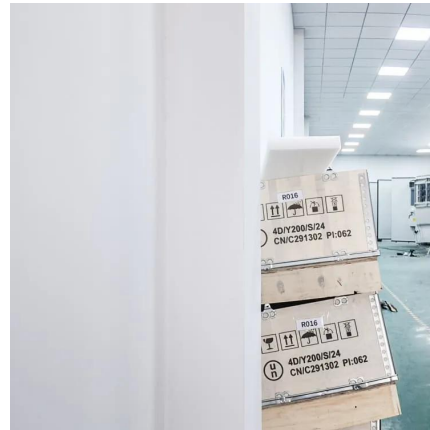
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1. Overview of the renewable energy sector 1.1
What is the basis of renewable energy policy and regulation in your jurisdiction and is there a statutory definition of 'renewable ...

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[Indonesia's green powerhouse promise: Ten bold moves](#)

By identifying and acting on the opportunities on the road to net zero, Indonesia could--with ten strategic initiatives--help ensure a secure, ...

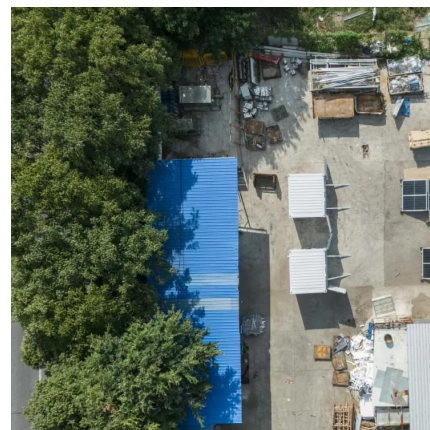
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Indonesia's Solar Capacity Reaches 700MW, But Progress Falls ...

Indonesia has surpassed 700MW of installed solar PV capacity, according to a recent report from the Institute for Essential Services Reform (IESR). However, the think tank ...

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Indonesia: BKPN in US\$1bn off-grid solar-plus-storage agreement

China-headquartered battery manufacturer and energy storage solutions provider Elong Power announced this week (8 July) that it has entered a strategic cooperation ...

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[Indonesia's Energy Transition: Key steps in accelerating the](#)

Jakarta--A report by the Institute for Essential Services Reform (IESR) highlights that policies that encourage the growth of ESS in Indonesia must support its development. The ...

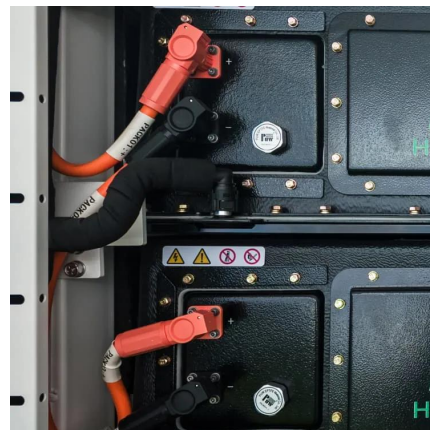
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The government targets 76% of new power generation capacity to come from renewable energy in the RUPTL PLN 2025-2034. Read the full ...

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Indonesia Unveils 100 GW Solar Initiative With Massive 320GWh ...

Indonesia has announced an ambitious plan to deploy 100 GW of solar power nationwide, combining large-scale generation with an unprecedented rural electrification push.

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Singapore-based developer Vena Energy says it will investigate opportunities to make solar panel components and battery energy storage ...

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Solar companies struggle with renewable energy policy in Indonesia

Solar power companies in Indonesia are struggling to keep their margins intact. The Government of Indonesia had announced a renewable energy target of 23% to reach by 2025. In order to ...

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[Indonesia new programme targets 100GW solar PV, 320GWh BESS](#)

The government of Indonesia has launched a programme that aims to build 100GW of solar PV and 320GWh BESS in the coming years.

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