

# Indonesia's new power storage

Is energy storage developing in Indonesia?

IESR has issued a report for the first time assessing the development of energy storage in Indonesia in *Powering the Future: An Assessment of Energy Storage Solutions and The Applications for Indonesia*.

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).

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 can renewables improve Indonesia's energy security?

Raising renewables will improve Indonesia's energy security, with solar become the most cost effective solution to supply electricity beyond 2030 (based on IESR's IETO model). Reinforcing grid infrastructure and operation is crucial with a higher RE share, especially post-2030. Future system with high shares of renewable energy.

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

Indonesia's 2025-2034 energy storage market trend accelerates solar and storage growth toward net zero. Explore key market opportunities.

INDONESIA ENERGY STORAGE MARKET NEW PRODUCT LAUNCH A 5MW battery energy storage system (BESS) pilot project has been launched by Indonesia's state-owned utility and ...

Energy storage plays crucial role in future of the Indonesian power system ESS installed capacity in Indonesia by 2024 and the projected Required energy storage capacity in different ...

Harris, Head of the Center for Survey and Testing of New, Renewable Energy and Energy Conservation Electricity, Ministry of Energy and Mineral Resources, said that in the agenda ...

On November 27, 2024, China Energy Construction China Power Engineering Shanxi Institute and Indonesia Zhejiang Energy Construction Co., Ltd. (ZTPI) successfully completed the ...

Energy mix and source diversification The 2025-2034 plan includes 42.6 GW of new capacity from renewable sources such as solar, hydropower, and geothermal energy. It also ...



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

The new initiative features plans for 1 MW solar minigrids tied with 4 MWh of accompanying battery energy storage, to be deployed across 80,000 villages, alongside 20 GW of ...

Indonesia's Ministry of Energy and Mineral Resources has launched its 2025-2034 Electricity Supply Business Plan, aiming to add 69.5 GW of new power generation capacity--76 per cent of which will ...

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