

# Hybrid solar storage project financing options in Indonesia 2025

How much solar energy investment in Indonesia has doubled in 2021?

Alvin Putra Sisdwingraha, Lead Author of ISEO 2025 and IESR's Electricity and Renewable Energy Analyst, revealed that solar energy investment in Indonesia has doubled, from USD 68 million in 2021 to USD 134 million in 2023.

Which international development finance institutions have backed solar and wind projects?

International development finance institutions have backed most large-scale solar and wind power projects developed to date. In 2018, the Asian Development Bank signed a \$161 million loan package with Vena Energy to finance Vena Energy's solar and wind project portfolio in Indonesia.

What is Indonesia doing with its energy storage capacity?

Indonesia is currently building on its storage capacity through the planned/ongoing installation of 5 MW battery energy storage systems (BESS), linked to PLN's renewable sites. Indonesia is also building its first utility-scale integrated solar and energy storage project in Nusantara.

Could Indonesia adopt a simple approach to solar-plus-storage?

Indonesia could adopt a similarly simple approach to procuring solar-plus-storage. RUPTL 2019-28 estimates that Indonesia will need to install 3.2GW of rooftop PV to raise renewable penetration above 23% from 2025-28, although there is no specific deployment plan by PLN.

How can Indonesia accelerate the adoption of energy storage?

IESR urges the Indonesian government to accelerate the adoption of energy storage, among others, by first improving the regulatory framework and establishing legal certainty to provide adequate compensation for ESS developers, reduce development risks, and boost investor confidence.

Can mini-grids improve energy access in Indonesia?

Source: Institute for Essential Services Reform, BloombergNEF. Improving energy access through rural mini-grids: Mini-grids using distributed solar can provide energy access to some 2.3 million Indonesian households that currently lack energy access. They could also improve grid reliability.

After debt payments have been made, other investors (like equity investors) will be paid. In general, project's assets are used as collateral to the loan. This type of financing is common in renewable energy projects because building solar, ...

The joint US\$80 million Development and Construction Facility ("the Facility") will finance the development and construction of solar, hybrid solar, and battery storage ...

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TotalEnergies and RGE signed a co-investment agreement for their solar and storage project in Riau during French President Emmanuel Macron's state visit to Indonesia recently.

More details have emerged on the \$510 million financing for Atlas Renewable Energy's Estepa solar-plus-storage project in the Antofagasta region in northern Chile. The ...

Crucially, the shift in investor sentiment (signalled by recently banked projects) and the availability of competitive financing options, including blended finance through ...

22 May 2025 DNV has played a key role in providing comprehensive advisory services to Atlas Renewable Energy to secure USD 510 million in financing for the landmark Estepa hybrid ...

As discussed in Part 1: VDER Revenue Stack for Standalone Storage Projects, while the Value of Distributed Energy Resources (VDER) Calculator is a freely accessible tool ...

Zelestra secures \$282mn financing with Natixis CIB, BNP Paribas and BCI for the Aurora hybrid project in Chile, combining 220 MWdc solar and 1 GWh storage.

MIAMI, FL, UNITED STATES, April 21, 2025 / EINPresswire / -- Atlas Renewable Energy, an international leader in renewable energy solutions, secured the largest financing in its history for ...

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This study aims to analyse the economic feasibility and financing model of solar power plants in Indonesia. The study uses a qualitative analysis through in-depth interviews ...

The integration of solar energy systems into a hybrid energy system has led to a reduction in the consumption of non-renewable fuels. A similar hybrid system of solar energy ...

The energy generated will be sold under a long-term agreement with the Egyptian Electricity Transmission Company, ensuring a robust economic framework for sustainability. Conclusion: The successful financing and ...

The Indonesia Solar Energy Outlook (ISEO) 2025 report highlights that solar energy growth in Indonesia has been slow compared to the targets outlined in PLN's National ...

Paris, August 7, 2025 - Independent renewable energy company Qair announces the closing of a new loan to support the implementation of a hybrid solar photovoltaic and battery energy ...

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DNV, an unbiased vitality professional and assurance supplier, has performed a key position in offering complete advisory providers to Atlas Renewable Power to safe US\$510 ...

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