

Global PV Storage Insights

Total investment cost of solar plus storage project in Indonesia



Overview

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.

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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. (Photo Credit: RGE) French energy group TotalEnergies will build a 1 GW solar energy plant, along with a battery energy.

ed in Singapore, RGE is a global group of companies in the bio-based resources and energy sectors, serving over 100 markets worldwide. With more than US\$35 billion in assets and a workforce of 80,000 employees, our operations span across Indonesia, China, Brazil, Canada, Spain and Malaysia. As a

TotalEnergies and RGE have signed a co-investment agreement to develop and operate a solar-plus-storage project in Indonesia. The utility-scale plant will be built and managed by Singa Renewables, their equally owned joint venture. French energy company TotalEnergies and Singapore-based industrial.

PT Sembcorp Renewables Indonesia, a wholly owned subsidiary of Singapore-headquartered engineering firm Sembcorp, and state-owned PT PLN Nusantara Renewables have launched a utility-scale solar-plus-storage project in Indonesia. The Nusantara Sembcorp Solar Energi (NSSE) power plant comprises 50MW.

Indonesia & Singapore, 28 May, 2025: TotalEnergies and RGE, through their equally-owned joint venture Singa Renewables (Singa), have entered into a Co-Investment Agreement to develop, build and operate a solar photovoltaic (PV) power plant with battery energy storage system (BESS) in Riau Province.

TotalEnergies and RGE have signed a co-investment agreement to develop and operate a solar-plus-storage project in Indonesia. The utility-scale plant will be built and managed by Singa Renewables, their equally owned joint venture. French energy company TotalEnergies and Singapore-based industrial. Are RGE & totalenergies co-investing in a solar plant in Indonesia?

French energy company TotalEnergies and Singapore-based industrial group RGE have signed a co-investment agreement to develop, build and operate a solar plant with battery energy storage in Riau province, Indonesia. TotalEnergies and RGE signed the agreement through their joint venture Singa Renewables, which they own equally.

Who owns a solar-plus-storage plant in Indonesia?

TotalEnergies and RGE have signed a co-investment agreement to develop and operate a solar-plus-storage project in Indonesia. The utility-scale plant will be built and managed by Singa Renewables, their equally owned joint venture.

Who is building a solar power plant in Indonesia?

The utility-scale plant will be built and managed by Singa Renewables, their equally owned joint venture. French energy company TotalEnergies and Singapore-based industrial group RGE have signed a co-investment agreement to develop, build and operate a solar plant with battery energy storage in Riau province, Indonesia.

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 much does a PV-plus-energy storage system cost in Indonesia?

BNEF estimates the current LCOE of a PV-plus-energy storage (PVS) system in Indonesia is \$113-251/MWh (real 2020) and already cost-competitive against diesel, which can be as pricey as \$200/MWh in remote areas due to high fuel costs. PVS systems are likely to become cost-competitive against new coal and gas plant within the decade.

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

Alvin Putra Sisdwinugraha, 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.

Total investment cost of solar plus storage project in Indonesia

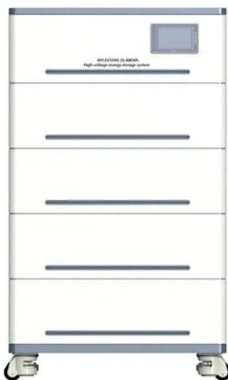


TotalEnergies, RGE to develop solar-plus-storage in Indonesia

TotalEnergies and RGE have signed a co-investment agreement to develop and operate a solar-plus-storage project in Indonesia. The utility-scale plant will be built and ...

TotalEnergies/RGE to develop solar power/battery ...

The utility-scale project will be constructed in phases. The project is expected to: position Indonesia as a global renewables hub through the creation of skilled jobs in renewables, BESS, engineering, and grid integration ...



On-Site Energy Storage in Textile and Apparel Facilities:

...

Conversely, weak policy directives and unambitious targets can undermine investment from the industry and, combined with the absence of competitive electricity markets and limited financial ...

World Bank Unveils Comprehensive Framework to

...

" This seminal report offers comprehensive

guidelines for governments to design policies that enable competitive procurement of solar-plus-storage projects at scale with private sector participation. " Over the past three ...



Solar Energy In Indonesia: Potential and Outlook

The capacity of solar energy in Indonesia is steadily climbing. With total capacity reaching over 322.6 MW as of the first half of 2023, this is an increase of over 800% in the last 10 years. This progress is part of Indonesia's ...

LONGi Partners with Vanda RE to Supply 1GW Modules

Singapore-based renewable energy developer Vanda RE Pte. Ltd. has announced a landmark framework supply agreement with global solar technology leader ...



TotalEnergies And RGE Team Up To Build Solar And Battery

...

TotalEnergies and RGE, through their equally-owned joint venture Singa Renewables (Singa), have entered into a Co-Investment Agreement to jointly develop, ...

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Solar

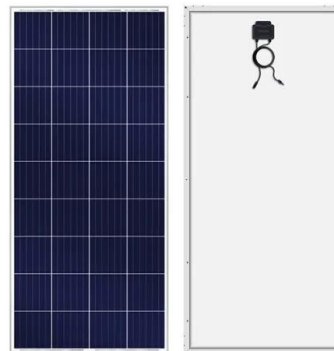


LEVELIZED COST OF ELECTRICITY IN INDONESIA

This study aims to understand what is the cost of generating electricity from renewables and fossil in Indonesia using an LCOE tool developed by IESR based on Agora Energiewende model. ...

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Sembcorp and PLN Nusantara Power Launches First Utility-Scale

The NSSE Power Plant, built on approximately 87 hectares of land, is the first utility-scale integrated solar and energy storage project in Nusantara, Indonesia. Comprising a ...

RGE, TotalEnergies to develop solar power plant with battery storage ...

[SINGAPORE] RGE and TotalEnergies on Wednesday (May 28) have signed a co-investment agreement to jointly develop a solar power plant with battery energy storage ...



Sembcorp launches Indonesia solar-plus-BESS ...

Despite the potential in scaling solar PV and wind generation, the rollout of energy storage capacity has lagged behind. From a deployment perspective, battery storage has not yet taken off in Indonesia beyond a ...

TotalEnergies, RGE to develop solar-plus-storage in Indonesia

- ...

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Quantum Power Asia, ib vogt propose 3.5 GW solar ...

Quantum Power Asia and ib vogt have set up a new partnership to build a 3.5 GW solar-plus-storage facility in Riau, Indonesia. The developers say the proposed \$5 billion project could export solar

TotalEnergies/RGE to develop solar power/battery storage project ...

The utility-scale project will be constructed in phases. The project is expected to: position Indonesia as a global renewables hub through the creation of skilled jobs in ...



**2MW / 5MWh
 Customizable**

TotalEnergies and RGE Ink Co-Investment Agreement to Develop Solar

TotalEnergies and RGE, through their equally-owned joint venture Singa Renewables (Singa), have entered into a Co-Investment Agreement to develop, build and ...

Solar-Plus-Storage: The Future Market for Hybrid Resources

Competing factors will affect future solar+storage deployment levels Factors favoring solar+storage include co-location efficiencies, cost savings, continued technology cost ...



TotalEnergies and RGE Ink Co-Investment Agreement to Develop Solar

Indonesia & Singapore, 28 May, 2025: TotalEnergies and RGE, through their equally-owned joint venture Singa Renewables (Singa), have entered into a Co-Investment ...

Infrastructure & PPPs in Indonesia

The SEG Indonesia solar industrial park project will have an investment exceeding USD 500 Mn. PT PLN AND ITS SUBSIDIARY TO BUILD GAS INFRASTRUCTURE ...



TotalEnergies, RGE Plan 1 GW Solar Plus Storage In ...

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Battery Energy Storage System (BESS) market di Indonesia

The first utility-scale solar + storage to replace peaker generation is in the pipeline Power sector: Solar PV + storage project Indonesia Power's Hijaunesia "equity partner" auction:



TotalEnergies and RGE Ink Co-Investment Agreement to Develop Solar

Driving Economic Value and Green Workforce Transformation The project is expected to: Position Indonesia as a global renewables hub through the creation of skilled jobs ...

World Bank Document

Two categories of solar-plus-storage projects can be distinguished: (a) solar-plus-storage projects that are planned as a combined system and (b) storage-only projects that are coupled with ...



10+ Countries Join First-of-Its-Kind Consortium to ...

As one of our first contributions, we are making a toolkit available that provides guidance to policymakers and project developers on best practices for implementing solar-plus-storage projects." Per Heggenes, CEO, ...

Top 10 Solar Energy Companies in Indonesia ...

PT ATW Solar Indonesia (ATW Solar) is an independent Engineering Procurement Construction (EPC) company specialising in solar photovoltaic complete system integration and energy storage solutions. One of the fastest ...

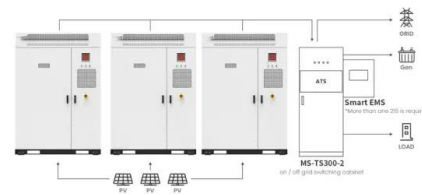


Indonesia: BKPN in US\$1bn off-grid solar-plus-storage agreement

Indonesia's national Consumer Protection Agency (BKPN) will coordinate at least US\$1 billion in investment for off-grid solar-plus-storage.

Indonesia's solar outlook for 2025 shows promising ...

The report indicates that as of August 2024, there are 16.92 GW of announced solar projects in preparation nationwide, with an anticipated addition of 350 GW to 550 GW of solar capacity by 2050. It also noted that ...



Application scenarios of energy storage battery products

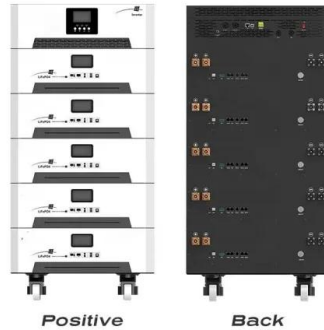


PRESS RELEASE RGE and TotalEnergies Ink Co ...

Solar Power and Battery Energy Storage Project in Indonesia Imelda Tanoto, Managing Director at RGE (right) and Helle Kristoffersen, President Asia and Member of the Executive Committee ...

Photovoltaic (PV) solar power plants in Indonesia

The progress in solar power development in Indonesia has been significant, especially considering the country's previous reliance on conventional energy sources. Recent projects illustrate the government's commitment to ...



PRESS RELEASE RGE and TotalEnergies Ink Co ...

TotalEnergies and electricity binning renewables (solar, onshore and offshore wind) and flexible assets (CCGT, storage) to deliver clean firm power to its customers. By the end of 2024, ...

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