

# **Government subsidy for containerized pv system in Indonesia**



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## Overview

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The Indonesian Ministry of Energy and Mineral Resources (EMR) and the United Nations Development Program (UNDP) Indonesia launched an incentive program for rooftop solar systems under a Sustainable Energy Fund (SEF) grant. How can Indonesia foster a vibrant solar PV Manufacturing ecosystem?

To foster a vibrant solar PV manufacturing ecosystem, Indonesia could explore paths to increase domestic demand for solar products. One viable approach is to focus on the rapidly growing battery manufacturing sector by providing incentives for operators to produce batteries for storing renewable energy.

Could Indonesia seize the opportunity of new demand streams for solar PV?

Vishal Agarwal is a senior partner in McKinsey's Singapore office; Karambir Anand is an associate partner in the Jakarta office, where Bayu Purba is a consultant; and Enrico Furnari is a consultant in the Kuala Lumpur office. Indonesia could seize the opportunity of new demand streams for solar PV by learning from other Southeast Asian countries.

What is Indonesia's commitment to energy transition?

Indonesia's commitments to energy transition are embodied through its ratification of the Paris Agreement under the United Nations Framework Convention on Climate Change (Paris Agreement) through Law 16 of 2016.

What are Indonesia's EV incentives?

Indonesia targets 9.9 million tons of hydrogen production annually by 2060, with major applications in energy, industry, and transport. Key EV incentives include: The initiative targets the production of 600,000 electric vehicles by 2030 and aspires to rank as the third-largest EV battery manufacturer globally.

Should OEMs invest in Indonesia by 2025?

By 2025, the TKDN is set to increase to up to 90 percent—a major concern for



OEMs looking to invest in Indonesia. Negotiations with the Indonesian government may be required to secure proper syndication in the value chain and assure OEMs of their investments.

How many new power plants will Indonesia develop in 2021?

Based on PLN's latest Electricity Supply Business Plan (RUPTL) issued in October 2021, it is projected that IPPs will develop 64.8% of Indonesia's new power capacity (including 56.3% of the new renewable energy power plants (REPPs)) over the next decade.



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### Optimal Government Subsidy Policy for Photovoltaic Project ...

E Sayed, A critical review on environmental impacts of renewable energy systems and mitigation strategies: wind, hydro, biomass and geothermal, Science of The Total Environment, No 766 D ...

### [Container Foldable Photovoltaic Panels --Portable ...](#)

The containerized mobile foldable solar panel is an innovative solar power generation device that combines the portability of containers with the renewable energy characteristics of solar panels. This device is usually ...



### [What Government Incentives Are Available for Solar ...](#)

The availability of government incentives and programs for solar energy in Indonesia presents a compelling opportunity for individuals and businesses to transition to clean and renewable energy sources.

### [Government introduced Solar For Rakyat Incentive ...](#)

According to the media statement released by the YAB Deputy Prime Minister and Minister of Energy Transition and Water Transformation



(PETRA) on 27 March 2024, the government has introduced a specific ...

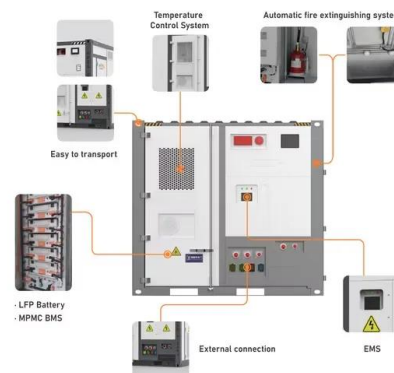


### Characterizing Adopter and Non-Adopter of Photovoltaic ...

This paper investigates the characteristics of photovoltaic (PV) system adopters and non-adopters of photovoltaic (PV) systems in Indonesian households to recognize household heterogeneity ...

### [Indonesia's C&I key to rooftop solar PV development](#)

Image: Sun Energy. In June 2024, Indonesia issued rooftop solar PV system development quotas for state electricity company PLN between 2024 and 2028, aiming to add 5.75GW of capacity in the country.



### Analysis of perceptions towards the rooftop photovoltaic solar system

In 2018, the Indonesian government issued the Rooftop Photovoltaic Solar Systems (RPVSS) policy that allows customers of the State Electricity Company (PLN) to generate their ...



### [How to power Indonesia's solar PV growth opportunities](#)

Up to now, solar PV growth in Indonesia has been slow compared to various other countries in the region and, to overcome this, Indonesia's government has set targets to increase solar PV substantially by 2030. 4 The ...



### [Photovoltaic \(PV\) solar power plants in Indonesia](#)

Technological Innovation Technological advancements in solar energy are also propelling the growth of solar power plants in Indonesia. The introduction of advanced photovoltaic (PV) technologies, energy storage ...



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### **Developing a framework to increase solar photovoltaic microgrid**

Solar photovoltaic (PV) microgrid has the potential to electrify and decarbonise rural communities in tropical countries, such as Indonesia. The tropical region receives a significant ...



### [PV Containers: Innovative and Efficient Renewable ...](#)

Subsidies provided by governments or international organizations can further reduce the financial burden of implementing PV container systems. These subsidies are designed to encourage the transition to renewable ...



### Designing a System Dynamics Model to Analyze the Effect of ...

One option to increase Indonesia's solar energy production is to build a solar Photovoltaic system (PV) connected to large-scale networks [12]. However, it needs large expenditures that cannot ...



### Indonesian think tank says nation at crossroads with ...

The Jakarta-based Institute for Essential Services Reform (IESR) says 2025 will be a pivotal year for Indonesia's energy transition, as the nation has fallen behind targets in recent years. It

### [Energy Ministry Launches SEF Grant for Rooftop](#)

The Indonesian Ministry of Energy and Mineral Resources (EMR) and the United Nations Development Program (UNDP) Indonesia launched an incentive program for rooftop solar systems under a Sustainable Energy Fund ...







### [What Government Incentives Are Available for Solar...](#)



The government of Indonesia also offers subsidies and grants to support the installation of solar energy systems. These financial incentives help to offset the costs of purchasing and installing solar panels, making renewable energy ...

### [Analysis of Perceptions Towards The Rooftop PV](#)

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This document analyzes perceptions towards Indonesia's Rooftop Photovoltaic Solar Systems policy, which allows electricity customers to generate their own solar power and sell excess to the grid. A survey of electricity customers found ...



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