

SolarInnovate Energy Solutions

Solar Energy System Project Price in Indonesia



Overview

How much does solar cost in Indonesia?

According to Rystad Energy's analysis, the cost of large-scale ground-mounted solar projects in Indonesia has declined from about \$2.6/MW in 2013 to \$0.8/MW in 2024, a price that is in the range of the total global cost of solar (\$0.5 to \$1.8/MW).

How much solar power does Indonesia have?

As of May 2024, Indonesia's installed rooftop solar capacity was only 0.192 MWp, according to research firm Rystad Energy. Are the goals achievable?

Indonesia previously set renewable energy targets, hoping that by 2025, the country's share of renewable power generation in the energy mix will reach 23%.

Where is the best place to get solar energy in Indonesia?

On average Indonesia receives between 1500 kWh and 2200 kWh per m² of annual solar energy on a horizontal surface (Global Horizontal Irradiance, GHI). Java, Sulawesi, Bali, and East and West Nusa Tenggara are the best locations for solar PV, while Kalimantan, Sumatra and Papua are less good.

How much does electricity cost in Indonesia?

"Currently, Indonesia's industrial and commercial and residential electricity prices are \$0.068/KWh and \$0.1/KWh, respectively, which is relatively low compared to Southeast Asia's rooftop PV leaders, such as Vietnam, whose industrial and commercial electricity prices are \$0.1 per KWh and residential electricity prices are \$0.12 per KWh.

How can Indonesia benefit from solar energy?

It is critical that Indonesia could take advantage of the rapidly declining cost of renewable energy, especially solar. Solar energy could be key in achieving

a more affordable electricity price which would then help foster a more sustainable economic growth and serve quality energy access for the public.

What is the local content of solar energy projects in Indonesia?

According to MEMR Decree No 5/2017, the local content for energy projects in Indonesia was a minimum of 40% in 2017 and will be gradually increased up to 60% in 2019. Due to the relatively small scale of solar manufacturing in Indonesia, it is unlikely that local production can be competitive against international prices.

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Solar companies struggle with renewable energy policy in Indonesia

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What Are the Initial Costs of Setting up a Solar System in Indonesia?

In Indonesia, the price of solar panels typically ranges from IDR 7,000,000 to IDR 15,000,000 per kilowatt peak (kWp). Inverters: Inverters are essential for converting the direct current (DC) ...



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