

Annual electricity generation of solar panels in Jakarta





Overview

What is the solar energy potential in Indonesia?

The Solar Energy Potential in Indonesia Indonesia straddles the equator, making it an ideal location for solar energy generation. The country receives an average solar radiation of about 4.5 to 5.5 kWh/m²/day throughout the year (Mulyadi, 2020).

Does Indonesia have a solar energy future?

Muhammad Dhifan Nabighdazweda, IESR Energy Analyst, based on IESR monitoring in the Indonesia Solar Energy Outlook (ISEO) 2025 study, explained that solar energy capacity in Indonesia has also increased but the figure is still very small compared to its potential.

How many solar PV locations are there in Indonesia?

So far, we have conducted calculations to evaluate the solar photovoltaic (PV) potential in 151 locations across Indonesia. This analysis provides insights into each city/location's potential for harnessing solar energy through PV installations. Link: [Solar PV potential in Indonesia by location](#).

Why are solar power plants growing in Indonesia?

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 solutions, and smart grid systems has enhanced efficiency and reliability.



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