

Indonesia Surabaya Power Supply Solar System Production





Overview

What is the average solar energy output in Surabaya Indonesia?

Average 5.58kWh/day in Autumn. Average 5.62kWh/day in Winter. Average 5.88kWh/day in Spring. To maximize your solar PV system's energy output in Surabaya, Indonesia (Lat/Long -7.2484, 112.7419) throughout the year, you should tilt your panels at an angle of 8° North for fixed panel installations.

Is Surabaya a good location for solar power generation?

Surabaya, East Java, Indonesia, located in the tropics, is a very suitable location for solar power generation throughout the year. This is due to its consistent sunlight exposure and tropical climate characterized by wet and dry seasons.

What is solar PV output in Indonesia?

Seasonal solar PV output for Latitude: -7.2484, Longitude: 112.7419 (Surabaya, Indonesia), based on our analysis of 8760 hourly intervals of solar and meteorological data (one whole year) retrieved for that set of coordinates/location from NASA POWER (The Prediction of Worldwide Energy Resources) API: Average 4.99kWh/day in Summer.

Where are solar power plants located in Indonesia?

Solar Power Plants in Indonesia: Notable Locations 1. Cirata Floating Solar Power Plant The Cirata Floating Solar Power Plant, located in West Java, is one of the largest solar projects in Indonesia and Southeast Asia. With an installed capacity of 145 MW, it began operations in 2021 (Jakarta Post, 2023).



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Indonesia's plan to export solar power to S'pore spurs ...

Feb 20, 2025 · JAKARTA - A new manufacturing plant producing floating solar panel systems was officially launched in Batam on Feb 14 to tap opportunities created by a major deal to ...

Solar PV Analysis of Surabaya, Indonesia

Mar 13, 2024 · Surabaya, East Java, Indonesia, located in the tropics, is a very suitable location for solar power generation throughout the year. This is due to its consistent sunlight exposure ...

Indonesia unveils plan for 100 GW of solar

Aug 11, 2025 · The new initiative features plans for 80 GW of 1 MW solar minigrids with accompanying battery energy storage, to be deployed across 80,000 villages, alongside 20 ...

Indonesia Solar Panel Manufacturing Report , Market

Explore Indonesia solar panel manufacturing landscape through detailed market analysis, production statistics, and industry insights. Comprehensive data on capacity, costs, and growth.

Solar Power Plants in Indonesia: Locations, ...

Sep 9, 2024 · Conclusion The growth of solar power plants in Indonesia represents a critical step towards a sustainable energy future. With its ...

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How to power Indonesia's solar PV growth opportunities

Oct 19, 2023 · Indonesia could seize the opportunity of new demand streams for solar PV by learning from other Southeast Asian countries.

Indonesia's Vast Solar Energy Potential

Sep 6, 2024 · In this paper, we conclude that Indonesia has vast potential for generating and balancing solar photovoltaic (PV) energy to meet future energy needs at a competitive cost.

Solar manufacturing mounts in Indonesia, yet ...

Dec 16, 2024 · Indonesia's IESR said the country stands to gain from the influx of new solar manufacturing yet is still underutilising its potential.



Proposed Supply Chain Roadmap for the Domestic Solar PV ...

Aug 1, 2025 · "The Indonesian solar power plant industry has high potential, but domestic industrial readiness is still lacking. The supply chain is still inefficient and unintegrated, thus ...

Solar Power Plants in Indonesia: Locations, Impacts, and ...

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Solar manufacturing mounts in Indonesia, yet deployment ...

Dec 16, 2024 · Indonesia's IESR said the country stands to gain from the influx of new solar manufacturing yet is still underutilising its potential.

Indonesia to Develop Floating Solar Power Plants in Batam and Surabaya

Dec 4, 2025 · Indonesia is advancing its renewable energy transition with the development of floating solar power plants (PLTS Terapung) in Batam and Surabaya. Utomodeck Group, ...

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