

Solar energy indonesia

The Institute for Essential Services Reform says Indonesia's solar industry has faced a downturn over the past two years, but policy reforms should accelerate solar deployment in the coming years. The think tank's latest report states that 16.92 GW of projects are currently in the pipeline across the country.

The Jakarta-based think tank recently published its "Indonesia Solar Energy Outlook 2025"; report. IESR Executive Director Fabby Tumiwa said Indonesia needs to "catch up" with the global solar trend, following a downturn in Indonesia's solar industry over the past two years.

But he added that the trend is reversing and the future of solar in Indonesia looks "promising." The IESR said state-owned utility PLN's plans to increase renewables capacities should bring 7.9 GW of new solar by 2033, while policy changes enacted by the Ministry of Energy and Mineral Resources are expected to contribute to over 5 GW of new rooftop solar within the next five years.

Solar energy-related investment in Indonesia almost doubled from \$68 million in 2021 to around \$135 million in 2023, the report adds. In 2024, around \$112 million of investment in solar energy has been announced as of August.

"While it's true that solar PV faces intermittency challenges, using this as a reason to limit its development is not justified," Tumiwa said. "Many countries have solar PV penetration above ten percent of their total power capacity without experiencing electricity supply issues or blackouts. Intermittency can be addressed by integrating energy storage systems into the electricity grid."

In a separate report focused on energy storage, the IESR predicted that at least 60.2 GW of energy storage will be required if Indonesia meets projections of solar and wind power making up 77% of the country's installed generation capacity by 2060. The report explained that Indonesia is still in the early stages of energy storage adoption and stresses the need for a comprehensive strategy to accelerate the development of an energy storage ecosystem.

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ISEO 2023 memberikan informasi terkini tentang kemajuan PLTS sebagai sumber energi utama dalam transisi energi Indonesia, serta tantangan dan peluang pasarnya. Sebelumnya, outlook tenaga surya dimasukkan dalam laporan utama tahunan IESR, Indonesia Energy Transition Outlook (IETO), tetapi tahun ini kami membuatnya menjadi publikasi terpisah. Ini menunjukkan dedikasi kami untuk pengembangan PV surya di Indonesia.

Kami berharap laporan ini dapat menjadi referensi utama bagi pembuat kebijakan, regulator, pemodal, dan masyarakat untuk mendapatkan wawasan tentang pengembangan PLTS di Indonesia. Mari jadikan solar PV sebagai motor penggerak transisi energi Indonesia!

ISEO 2023, PLTS, Transisi Energi Indonesia, Energi Terbarukan, Kebijakan Energi, Investasi PLTS, Laporan IETO, IESR, Indonesia Energy Transition Outlook, Solar PV, Dekade Energi Surya 2023-2033.

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