

Is Liangshan Prefecture suitable for solar power?

Through two screening stages and three decision-making processes validated in Liangshan Prefecture (LS), where solar and hydro resources are abundant. Criteria such as orography, climate, economy, and hydro-solar complementarity are evaluated to determine PV land suitability.

Does Liangshan Prefecture support local hydro-solar energy complementary development?

Finally, through empirical validation using data from Liangshan Prefecture (LS), the framework effectively identifies prime regions for solar PV plant siting, providing guidance and support for local hydro-solar energy complementary development.

Does Liangshan have a suitable PV plant site?

Assesses PV plant site suitability in Liangshan, revealing desirable areas for PV locations (DAPs). The development of solar photovoltaic (PV) energy is essential for China to meet its 'dual-carbon' goals and shift towards cleaner energy sources.

Why is solar photovoltaic development important in China?

The development of solar photovoltaic (PV) energy is essential for China to meet its 'dual-carbon' goals and shift towards cleaner energy sources. Site selection, a key early step, often neglects land spatial planning constraints and suffers from subjective decision-making ambiguity.

During the 14th Five-Year Plan period, Sichuan Liangshan Prefecture strives to add 16 million kilowatts of photovoltaic installed capacity

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factors that affect PV. As Liangshan Prefecture income investigation statistics are relatively thorough and are composed of four major items and 13 minor items, the annual per-capita ...

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To access additional data, including an interactive map of global solar farms, a downloadable dataset, and summary data, please visit the Global Solar Power Tracker on the Global ...

Above all, the methodology aims to improve PV solar power generation efficiency, support local spatial planning and deliver economic and environmental benefits.

As of 2021, Liangshan Prefecture has a total of 940,000 kilowatts of grid-connected photovoltaic projects, with an average annual power generation of 1.485 billion kilowatt-hours and an ...



# Solar power generation Liangshan Prefecture

Optimizing solar photovoltaic plant siting in Liangshan Prefecture, China: A policy-integrated, multi-criteria spatial planning framework

On February 14, 2023, the main project of the 200MW photovoltaic project in the 1# block of Huidong County, Liangshan Prefecture, Sichuan Province, which was guaranteed by TONGWEI to supply ...

Located in Sichuan's Liangshan prefecture, the project has total investment of CNY6 billion (USD825.9 million). It is expected to install 2.45 million N-type solar modules, which are more ...

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