

GEM invests in wind and photovoltaic power

What is GEM's global solar power tracker?

GEM's Global Solar Power Tracker and Global Wind Power Tracker include all projects that have been announced, entered pre-construction, or are currently under construction for solar capacity over 1 megawatts (MW) and utility-scale wind capacity over 10 MW.

How many GW of solar power does gem track?

Solar additions first include the total amount of solar in GEM's Global Solar Power Tracker (228 GW). The central government reported 392 GW of operating solar, implying there is 164 GW ($392 - 228 = 164$) of operating solar capacity in addition to the 228 GW that GEM tracks at the project-level.

How much wind power does Gem have?

The central government reported 365 GW of operating wind power capacity, so there is an addition 55 GW ($365 - 310 = 55$) of operating wind capacity in addition to the amount that GEM has cataloged at the project-level. On top of that we add the total prospective wind capacity in the Global Wind Power Tracker (371 GW).

Where can I find solar and wind data?

The data is gathered from Global Energy Monitor's Global Solar Power Tracker and Global Wind Power Tracker, specifically the May 2023 versions. The January 2023 solar and wind datasets are available for download [here](#) (solar) and [here](#) (wind) under a creative commons license. The following terms are used throughout the text:

Global investment for new renewable energy development reached a record \$386 billion during the first half of 2025, according to BloombergNEF's 2H 2025 Renewable Energy Investment ...

A study by the US research group Global Energy Monitor (GEM) states that 339 GW of solar and wind generating capacity are presently being built in China (182 GW for solar, and 159 GW ...

The data is gathered from Global Energy Monitor's Global Solar Power Tracker and Global Wind Power Tracker, specifically the May 2023 versions.

GEM's Global Wind Power Tracker has documented a 51 GW wind capacity increase since 2023 -- this growth itself exceeds the total operating capacity of any country, except the United ...

Utility-scale solar and wind are largely equal in their prospective development, with 2 TW and 2.5 TW respectively. However, solar photovoltaic (PV) is anticipated to account for 80% of global ...

The global pipeline of wind and utility-scale solar projects expanded to a record 4.9 terawatts (TW) in 2025, marking an 11% year-on-year growth, according to a new analysis by Global Energy ...



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The Global Solar Power Tracker is a worldwide dataset of utility-scale solar photovoltaic (PV) and solar thermal facilities. It covers all operating solar farm phases with capacities of 1 ...

The amount of wind and solar power under construction in China is now nearly twice as much as the rest of the world combined, a report has found. Research published on Thursday by ...

China is rapidly scaling up its solar and wind energy infrastructure, accounting for nearly three-quarters of all utility-scale projects currently under construction worldwide, according to a new ...

Almost three-quarters of all solar and wind power projects being built globally are in China, says a new report that highlights the country's rapid expansion of renewable energy sources.

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