

Solar wattage installed in East Africa

How much solar capacity has Africa added in 2024?

AFSIA's Africa Solar Outlook 2025 report, released today (15 January) points out that Africa has added 2.5GWp of new solar capacity in 2024, reaching a total of 19.2GWp across the continent. Now in its fifth year, the report says the number is definitely an underestimation of the real capacity added because it:

Where does Africa's solar power come from?

"From the almost 2.5GWp installed in Africa in 2024, 78% come from only two countries: South Africa and Egypt, representing respectively 50% and 29% of the continent's performance." However, the share of South Africa has significantly reduced compared to 2023 when the country saw 80% of all African solar that year put online.

Does South Africa have a low solar installation rate?

However, despite topping the table, South Africa experienced a sharp decline in installation rates in 2024, with just under 35% of solar capacity installed in 2023 added in 2024.

Does Africa still have a solar sector?

But despite the continent continuing to show progress in the sector, the gap with the rest of the world continues to widen. The two countries account for nearly 80% of the nearly 2.5GWp installed in Africa in 2024, with commercial and industrial (C&I) solar projects especially significant for South Africa.

Will solar PV & storage improve Africa's competitiveness?

As the battery costs continue to fall by an expected 10 % or more per year, the competitiveness of solar PV plus storage will improve radically, especially in Africa where so many businesses are relying on expensive diesel or a mostly fossil fuel-powered and often unreliable electricity grid.

Why is a large-scale solar project important in Africa?

Ensuring the success of large-scale solar projects is imperative as Africa transitions to a greener energy future and has to meet the increasing demand for power. Trina Solar, with a strong dedication to sustainability and innovation, steps in at this point.

Key projects include Eritrea's 2.3 MWh BESS coupled with a 450KWp solar PV site and Kenya's 11.2 MWh BESS spread across 7 rural sites. These initiatives are essential for rural ...

Discover the top 10 solar companies revolutionizing Africa's energy landscape. Our 2025 analysis ranks leaders by installed capacity, technological innovation, and continent-wide impact across ...

South Africa and Egypt are the two countries in Africa with the largest chunk of new solar capacity installed in 2024. But despite the continent continuing to show progress in the ...

Global projections to 2040 show renewable energy - including solar power - as a critical part of a diversified electricity mix to meet the power needs of the world (Figure 2). The CMP being ...

STATUS/CHARACTERISTICS AND NEEDS: Regional analysis covers major oil and gas exporters as well as net importers, spanning the Gulf States, other parts of the Middle East, ...

Discover some of our projects in Middle East and Africa Together with governments and private corporations, TotalEnergies" operations in the Middle ...

This report provides significant new evidence of a very recent and sizable step-up of solar in Africa, across most countries, and of the scale that could significantly expand the ...

16 January 2025: Thanks to new solar installations, Africa is now home to 19.2 GWp (excluding residential installations). This is the 3rd year in a row that more than 2 GWp are being ...

The Africa Market Outlook for Solar PV 2025-2028 reveals the continent is on the verge of a solar breakthrough - but is held back by high ...

The park with installed power of 1.65GW has attracted fresh foreign investments and put Egypt in an advantageous place where it exports solar energy. Egypt exports solar ...

Power generation across the Middle East and North Africa (Mena) has doubled in the past 15 years, from around 842TWh in 2005 to 1,635TWh by 2020, according to data compiled by BP. ...

Regular progress reports on Africa's quest to meet its energy needs through solar power are necessary to gauge the continent's progress towards this important development ...

Just a handful of African markets are driving renewable energy capacity additions at scale today, but solar adoption is broadening. South Africa, Morocco and Egypt currently host more than ...

For solar, we are therefore using AFSIA latest data of installed capacities in each country, and apply an average national solar yield to calculate an approximate value for solar GWh per year.

Solar PV will lead new capacity additions in Africa, reaching a total installed capacity of 125GW by 2030, according to a report from the International Energy Agency (IEA).

The 20 GWp capacity accounts for solar for utility-scale, commercial and industrial, mini-grids as well as Solar Home Systems across the 54-nation continent. "South Africa ...

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