

**PIENAAR ENERGY (PTY) LTD**

# **Solar power generation has been hit**



## Overview

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installed 50 gigawatts (GW) of solar capacity, enough to power roughly 38 million homes. About nine out of 10 new power plants built last year were solar farms. Electricity generation by the U. In our latest Short-Term Energy Outlook (STEO), we expect U. 6% in 2027, when it reaches an annual total of 4,423 BkWh. The. Having worked with industry leaders across the energy sector for over a decade—from technology providers, to a consortium of the top 20 U. energy companies, to solar power plant developers—I've had a front-row seat observing industry disruption. In April, solar provided 87% of new capacity, making it the 20th consecutive month solar has taken the lead, according to data belatedly posted on July 1 by the Federal Energy. The past few years have seen a frankly astounding acceleration in the rate of its deployment, with total generation capacity doubling between 2022 and 2024 to supply a full 7 per cent of the world's electricity. Just how high can that figure go?

The first six months of 2025 saw wind and solar. Renewable energy production is expanding at an unprecedented pace, led by the rapid rise of solar power.

## Solar power generation has been hit

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### UN Says Booming Solar, Wind and Other Green Energy Hits Global ...

United Nations officials said that's because power demand is increasing overall, spurred by developing countries, artificial intelligence data centers and the need for cooling in an ever warmer

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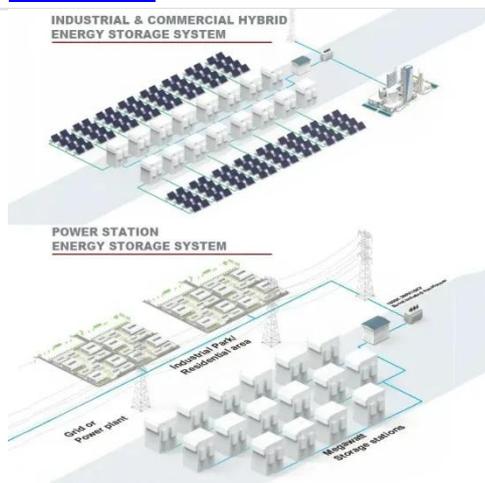
### Booming clean energy hit global tipping point for even lower costs

NEW YORK -- The global switch to renewable energy has passed a "positive tipping point" where solar and wind power will become even cheaper and more widespread, according to ...



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### Solar energy is going to power the world much sooner than you think

Is solar power going to take over the world? The past few years have seen a frankly astounding acceleration in the rate of its deployment, with total generation capacity doubling between ...

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## Solar Power Is Reaching a Critical Tipping Point in the U.S.

Now, despite political and economic headwinds, solar energy is reaching a critical tipping point that will continue to transform the U.S. energy sector. I'm convinced solar will become the



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## Executive summary - World Energy Investment 2025 - Analysis

Spending on low-emissions power generation has almost doubled over the past five years, led by solar PV. Investment in solar, both utility-scale and rooftop, is expected to reach USD 450 billion in 2025, ...

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## Rise of solar power ushers planet toward 'age of electricity,' energy

Renewable energy production is expanding at an unprecedented pace, led by the rapid rise of solar power, says a new report from the International Energy Agency.



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## FERC: Solar + wind made up

## 96% of new US power ...

Solar and wind accounted for almost 96% of new US electrical generating capacity added in the first third of 2025, according to FERC data.

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## UN says global shift to renewable energy hits positive tipping point

United Nations officials said that's because power demand is increasing overall, spurred by developing countries, artificial intelligence data centers and the need for cooling in an ever warmer world.

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## Global solar generation overtakes wind for longest ever stretch

LITTLETON, Colorado, Aug 29 (Reuters) - Global electricity generation from solar farms has exceeded generation from wind farms since May, marking the longest ever stretch when solar power

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## Solar power generation drives electricity generation growth

## over the

We expect the combined share of generation from solar power and wind power to rise from about 18% in 2025 to about 21% in 2027. In our STEO forecast, utility-scale solar is the fastest ...

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