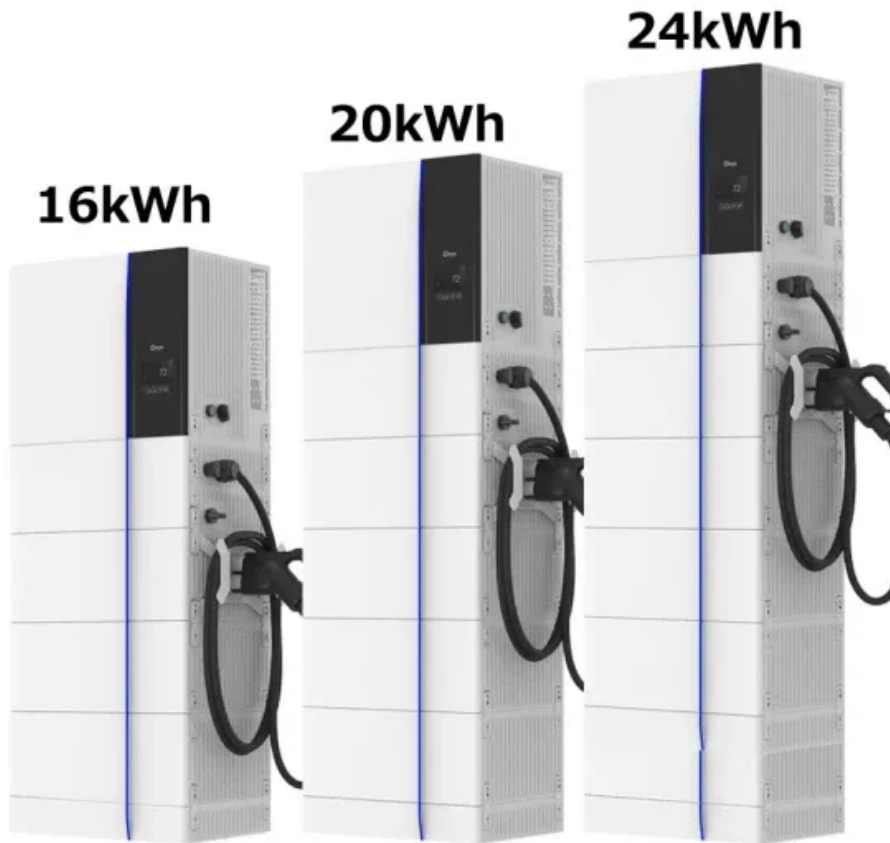


# 2025 Photovoltaic Energy Storage Situation



## Overview

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According to a 2025 Cleanview report, the country installed a record-breaking 48.2 gigawatts (GW) of utility-scale solar, wind and battery storage capacity—a 47% increase over the previous year. power grid in 2025 in our latest Preliminary Monthly Electric Generator Inventory report. 6 GW of capacity was installed, the largest. and 602 GW dc of PV were added globally, bringing the cumulative installed capacity to 2.2 TW dc • China continued to dominate the global market, representing ~60% of 2024 installs, up 52% y/y. According to the report, 2024 was another record year for solar PV, with between. The energy storage sector maintained its upward trajectory in 2024, with estimates indicating that global energy storage installations rose by more than 75%, measured by megawatt-hours (MWh), year-over-year in 2024 and are expected to go beyond the terawatt-hour mark before 2030.

## 2025 Photovoltaic Energy Storage Situation

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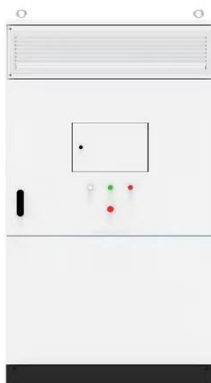
### Energy Storage Rides a Wave of Growth but Uncertainty Looms: ...

In this report, our lawyers outline key developments and emerging trends that will shape the energy storage market in 2025 and beyond.

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### Solar, battery storage to lead new U.S. generating capacity additions

We expect 63 gigawatts (GW) of new utility-scale electric-generating capacity to be added to the U.S. power grid in 2025 in our latest Preliminary Monthly Electric Generator Inventory ...



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### Spring 2025 Solar Industry Update

o In January 2025, the 300 MW/1,200 MWh Moss Landing energy storage facility in California caught fire, which lasted a week. - Residents close to the site reported feeling ill afterward, ...

## How energy storage could solve the growing power crisis in the U.S.

According to a 2025 Cleanview report, the country installed a record-breaking 48.2 gigawatts (GW) of utility-scale solar, wind and battery storage capacity--a 47% increase over the ...



### High Voltage Solar Battery



## Nearly half of solar capacity will be co-located with storage by 2060

The Energy Transition Outlook 2025 report says that solar power will account for 47% of electricity generation worldwide by 2060, increasing fivefold from 2024.

## Trends in PV Applications 2025

The IEA PVPS Trends in Photovoltaic Applications 2025 report provides comprehensive data and analysis on global PV deployment, technology, and market evolution from 1992 to 2024.



## Solar Market Insight Report Q4 2025

Photovoltaic (PV) solar accounted for



58% of all new electricity-generating capacity additions through the third quarter of 2025, remaining the dominant form of new electricity-generating ...

## BNEF forecasts record 2025 for global energy storage

The global market for energy storage is set to reach unprecedented levels next year, with utility-scale projects leading the charge, according to BNEF. BNEF forecasts that global energy ...

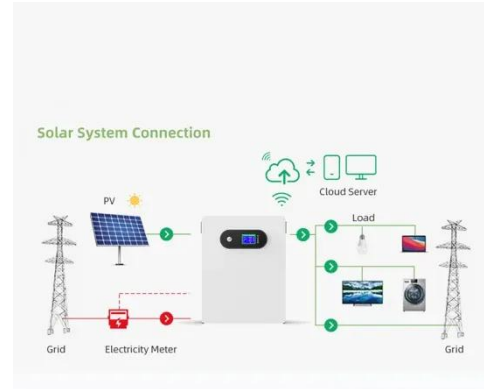


## Solar Energy Storage Trends in 2025: What's Powering the Future?

Let's cut to the chase - 2025 is shaping up to be the year solar energy storage goes from "nice-to-have" to "can't-live-without." With global market value surging from \$4.89 billion in 2024 to a ...

## Renewable electricity - Renewables 2025 - Analysis

The use of distributed solar PV applications with storage units is also growing in countries that have an unreliable electricity grid. In South Africa and Pakistan, for instance, uptake in commercial and large ...



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