

Spain manufacturing energy storage

Spain has increased its energy storage target by 2030 to 22.5GW in the latest update of its National Energy and Climate Plan (NECP).

The Spanish government, through the Ministry of Ecological Transition (MITECO), has passed a royal decree that updates the country's NECP targets between 2023-2030.

With the passage of the royal decree earlier this week, Spain has slightly increased its target for energy storage from the previously proposed 20GW target by 2030 to 22.5GW. The 22.5GW target by 2030 includes solar thermal capacity. Separately, the target for energy storage deployment will more than double between 2025 and 2030, with 9.2GW expected in 2025 and nearly 19GW in 2030.

An ambitious target for the country where energy storage has yet to soar--due to a lack of regulation for the technology--at a similar level to solar PV. In the past 12 months, the country has launched and awarded several auctions for energy storage, including its first tender for energy storage to be co-located with renewable power. Through the Institution for the Diversification and Energy Savings (IDAE), the tender awarded 880MW/1,809MWh of energy storage in November 2023.

The other technology that has seen its target increase is green hydrogen, with a target of 12GW of electrolyzers by 2030. This is up 1GW from the targets proposed last year in Spain's updated NECP.

On the other hand, solar PV's target remains the same as previously reported by our sister site PV Tech last year. By 2030 the country aims to have 76GW of solar PV, including 19GW of self-consumption.

Renewable energy is expected to play a major role in Spain's electricity generation, with clean power expected to account for 81% of electricity generation and 48% of energy consumption by the end of the decade.

Spain's renewable energy targets included in the NECP have changed quickly, and this is not only apparent at the downstream level. The country aims to launch a manufacturing scheme for renewables and energy storage, which will have a provision of EUR750 million (US\$835 million). This summer MITECO published the guidance for the scheme (in Spanish).

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