

Solar power storage batteries in Bulgaria





Overview

Around 500 MW of battery energy storage systems (BESS) with a storage capacity of some 1,300 MWh are now installed in Bulgaria and helping balance the country's power grid, Angelin Tsachev, chief executive of the Electricity System Operator EAD (ESO), said on Monday. Which country has the strongest battery energy storage system in the Balkans?

The Bulgarian city of Lovech, northeast of Sofia, hosts the strongest battery energy storage system (BESS) in the Balkans. The Ministry of Energy even said the new facility, with a capability of 124.1 MW and 496.4 MWh in capacity, is the biggest in the European Union.

Why is energy storage growing in Bulgaria?

Energy storage in Bulgaria is expanding rapidly as the government awards nearly 10 GWh of capacity to 82 projects, boosting renewable energy reliability and grid stability.

How big is Bulgaria's solar PV capacity in 2024?

At the close of 2024, Bulgaria's solar PV capacity had already reached 3.91 GW—an annual increase of over 1 GW. These developments come on the heels of Bulgaria's first renewable energy auction held in late 2024, where more than 3 GW of generation and 1.176 GW of storage capacity were secured.

How many MWh will a battery energy storage system deliver?

The selected projects will deliver a total usable battery energy storage system (BESS) capacity of 9,712.89 MWh, the Ministry of Energy said on April 17, more than three times the minimum target of 3 GWh originally set by the tender. The deadline for submission of standalone battery storage project proposals was December 5, 2024.



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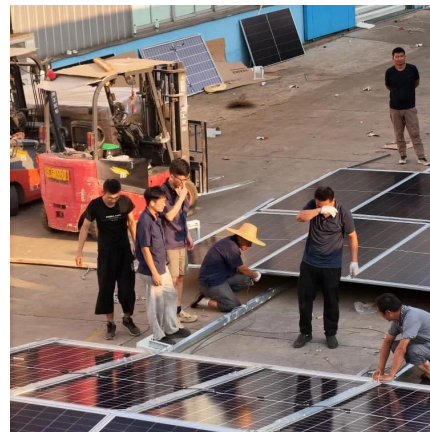


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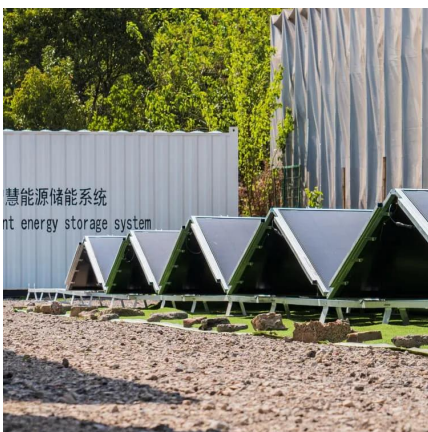
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to the "Electricity System Operator" (ESO), ...



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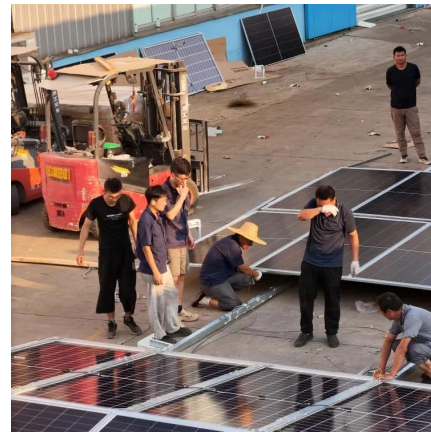
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