

Western European solar container outdoor power BESS large capacity





Overview

How many GWh of Bess capacity did Europe install in 2023?

In 2023, Europe installed 17.2 GWh of new BESS capacity, with a 94% year-on-year market surge and marking the third year in a row of doubling the annual market (see Fig. 1).

Will Bess expand in Europe by 2029?

While our five-year outlook foresees significant BESS expansion in Europe – a sixfold increase to nearly 120 GWh by 2029, driving total capacity to 400 GWh (EU-27: 334 GWh) – this remains far below the levels required to meet flexibility needs in a renewable-driven energy system.

Is CATL Tener energy storage a Bess system?

“CATL has always been at the forefront of the energy transition,” said Amanda Xu, CTO ESS and president of ESS Europe CATL. “To meet the expectation of a BESS system that has high energy density, small footprint, simpler AC-side configuration and flexible deployment, we bring the latest CATL TENER energy storage solution.

How big is Bess capacity in 2029?

Focusing on the EU, total deployed BESS capacity in the Medium Scenario reaches 334 GWh in 2029. While this is an impressive growth from the 49.1 GWh operating in 2024, it remains significantly below the levels needed to meet increased flexibility needs in a renewable-dominated and electrified energy system.



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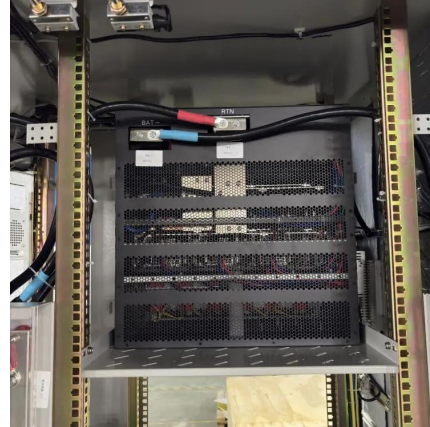


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