

German energy storage low temperature solar container lithium battery factory





Overview

Where is Germany's largest battery storage facility?

Bollingstedt / Kirchheim near Munich, 5 June 2024. Germany's largest battery storage facility is now online and has been officially inaugurated. Since April, a 103.5 MW / 238 MWh storage system has been operating in Bollingstedt, Schleswig-Holstein, contributing significantly to the urgently needed energy transition.

What is a battery energy storage system?

Currently, most large battery systems (Battery Energy Storage Systems, or BESS) are powered by lithium-ion batteries. Such batteries are favoured especially due to their long life cycle and simple operation. Furthermore, alternative battery technologies are still in development and therefore not yet ready for market launch.

Where are lithium ion batteries stored?

Strategically located on approximately 1.2 hectares near Bollingstedt in wind-rich northern Germany and in close proximity to a substation, the facility comprises 64 containers housing lithium-ion batteries and 32 containers for inverters and transformers.

Can Germany use solar energy?

However, renewable energies come with a catch: Due to a lack of storage capacity, Germany cannot fully leverage the potential that solar energy offers. During sunny and windy phases, wind and solar park operators have to throttle or even shut down their systems repeatedly to avoid overloading the power grids.



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