

## European Solar Energy Storage

# Is it illegal to build an energy storage power station



## Overview

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2023年，全球储能行业迎来快速发展。根据国际能源署（IEA）的数据，2023年4月9日，全球储能装机容量达到46.6吉瓦时（GWh），同比增长49%。这主要得益于锂离子电池储能技术的成熟和成本下降，以及政策支持力度加大。

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This article provides a comprehensive guide on battery storage power station (also known as energy storage power stations). These facilities play a crucial role in modern power grids by storing electrical energy for later use. .

To address these issues, various rapid energy storage methods have emerged as ancillary services, enabling the storage of energy, relieving the pressure on integrating renewable energy sources, and managing peak shaving and frequency regulation in the power grid.

Energy storage has become an area of focus in many jurisdictions across the globe due to its potential to offer a wide range of benefits to electricity systems. This Expert Guide brings together analysis from our legal experts across 22 jurisdictions.

The legal and regulatory framework governing energy storage technology in the US is complex involving multiple stakeholders involved in licensing, permitting, construction, operation, and energy provisioning aspects of energy storage. Why is energy storage important?

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Which states have mandates for energy storage?

Massachusetts, Oregon, and Washington have mandates for energy storage.

Just four months ago, Massachusetts became the first East Coast state to adopt such a mandate. Energy storage technologies are not entirely new.

What are the challenges of a utility-scale battery storage project?

Utility-scale battery storage projects, like any energy project, present land use, permitting, environmental, and health and safety challenges. Developers must anticipate and address these issues to successfully meet project development timelines and goals.

What is a standalone energy storage project?

Standalone energy storage projects are increasingly utility-scale installations. For example, a battery array can provide a range of services, including ancillary services, to the system operator or network owner. This type of project allows for the deferral of network reinforcement works or islanded networks.

Does energy storage need a regulatory framework?

Our review demonstrates that no jurisdiction currently provides a comprehensive regulatory framework for energy storage, with the majority of jurisdictions currently allowing storage to be defined as “generation” for the purposes of licensing and other regulatory requirements.

Who can benefit from energy storage?

Energy storage offers a range of opportunities for standalone developers, generators, network operators and consumers (ranging from large energy users through to domestic consumers) and other electricity sector participants. Storage is an increasing focus due to the range of benefits the various technologies can provide.

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### Developing a legal framework for energy storage technologies in ...

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### Energy storage regulation

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## Opportunities

Once again, California has led the way with enactment of AB 2514, which calls for 1.3 gigawatts of energy storage capacity from the state's three large investor-owned utilities by 2020, and adoption of legislation earlier this year accelerating and expanding deployment of energy storage systems.

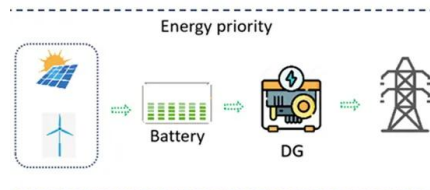


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## An Overview of Energy Storage Laws and Policies in the US

This paper will explain the benefits of energy storage and how regulation and policy at the state and federal level can help guarantee a smoother transition towards a future with renewable energy.



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## What approvals are required for energy storage power stations?

For energy storage projects, it is essential to consult with local, state, and federal authorities to ensure compliance with fundamental energy policies and regulations.

## Energy storage power stations are illegal

Because Ofgem, the Great Britain energy regulator, had clarified in 2020 that electricity storage is deemed to be electricity generation for the purposes of the Electricity Act 1989, any energy storage operator will require a generation



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## Legal Issues on the Construction of Energy Storage

The global effort to decarbonise electricity systems has led to widespread deployments of variable renewable energy generation technologies, which in turn has boosted research and development



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