

SolarTech Power Solutions

Belgian distributed energy storage policy



Overview

Synergrid, the federation of Belgian electricity and gas transmission and distribution system operators, will soon allow solar panels and household battery energy storage systems with a plug and socket to be deployed on the country's electricity distribution grids. What is Belgium's Electricity distribution system?

Belgium's distribution system is composed of medium- and low-voltage networks (below 30 kV) and serves the majority of electricity consumers, with 4 825 659 connection points in 2020. Belgium's municipalities have a legal monopoly on electricity and gas distribution and own the electricity and gas distribution networks.

Can solar panels be installed on Belgian electricity grids?

Synergrid, the federation of Belgian electricity and gas transmission and distribution system operators, will soon allow solar panels and household battery energy storage systems with a plug and socket to be deployed on the country's electricity distribution grids.

What is the energy storage project in Belgium?

The main energy storage project in Belgium is the construction and operation of an offshore "energy atoll" (essentially a manmade offshore pumped-storage facility), for which the Electricity Act has been modified in 2014 (see below), in order to support offshore wind-generated electricity production.

What is Belgium's energy policy?

With the publication of the Belgian Federal, Flemish, and Walloon government agreements, Belgium's energy policy has taken shape, emphasising pragmatism, energy security, industrial competitiveness, and a clear return to nuclear power.

Does Belgium have a battery storage capacity?

Belgium has limited battery storage capacity. There are no official consolidated data on battery storage, as this is not yet part of the mandatory energy statistics. A first unverified compilation of operational battery projects used for grid balancing was conducted in September 2021 and estimated capacity around 32.5 MW/30 MWh.

Does Belgium have pumped hydro storage?

Belgium's pumped hydro storage (1.31 GW in 2020) plays an important role in system balancing. Belgium has limited battery storage capacity. There are no official consolidated data on battery storage, as this is not yet part of the mandatory energy statistics.

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