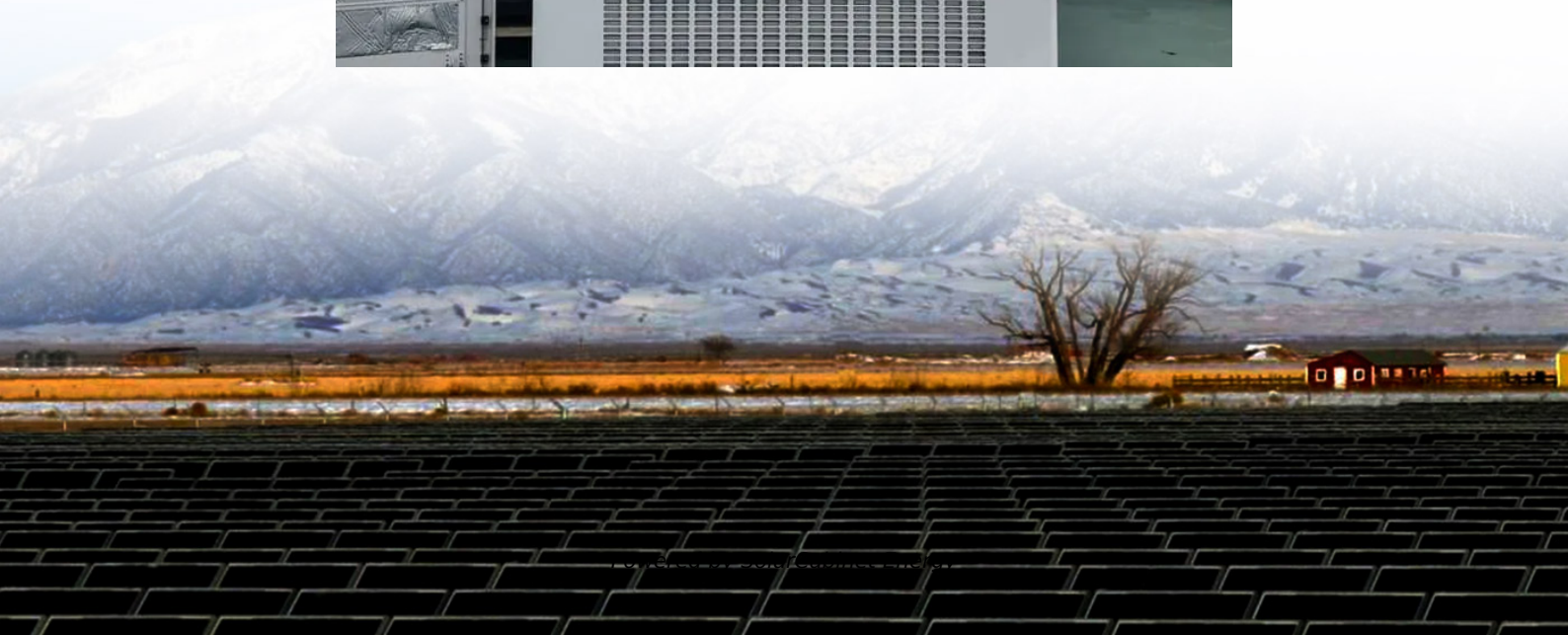
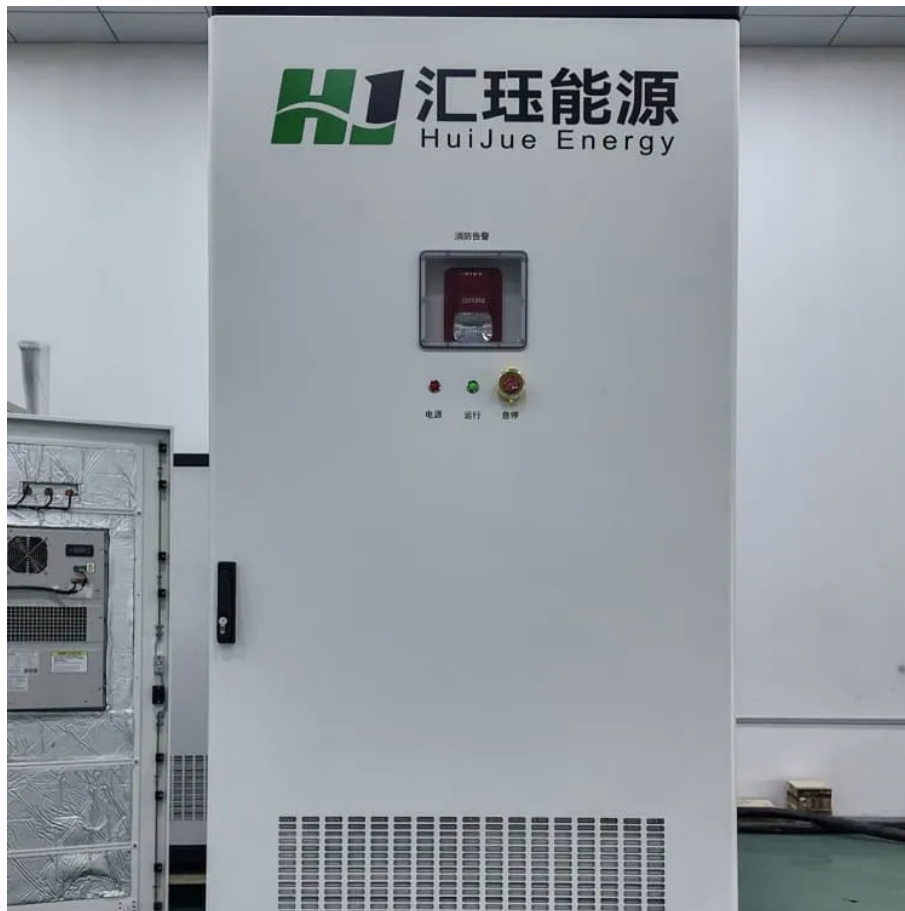


Norway s energy storage system capacity





Overview

Endowed with about 50% of Europe's reservoir capacity, Norway's storage reservoirs amount to a total storage capacity of 86.5 TWh. How big is Norway's battery market?

batteries for stationary energy storage - a market expected to reach EUR 57 billion by 2030. Now, a more mature Norwegian battery industry has greater potential to accelerate the renewable energy transition in Europe. Today Norway has not one, but two huge battery markets.

Does Norway have a battery market?

Today Norway has not one, but two huge battery markets. "There are two market drivers for batteries: EVs and stationary energy storage. Energy storage is coming on strong now. It's the key to turning intermittent wind and solar into a stable energy source," explains Pål Runde, Head of Battery Norway.

How many hydropower reservoirs are there in Norway?

Norway has more than 1240 hydropower storage reservoirs with a total capacity of 87 TWh. The 30 largest reservoirs provide about half the storage capacity. Total reservoir capacity corresponds to 70% of annual Norwegian electricity consumption. Most of the reservoirs were constructed before 1990.

Is stationary energy storage a good idea in Norway?

Electric cars now account for 79 per cent of new cars sold in Norway, and the MS Medstraum was recently launched as the world's first electric fast ferry. In a global report on lithium-ion batteries, Norway ranked first in sustainability. These are impressive records. Even so, stationary energy storage is beginning to steal the limelight.

Is Norway the 'battery of Europe'?

Image: Ingrid Capacity. While Norway once aimed to be the 'battery of Europe'



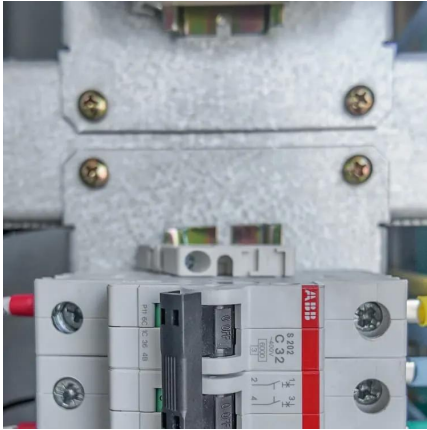
it has since been overtaken other Nordic countries Sweden and Finland for BESS deployments. Research firm LCP Delta's Jon Ferris explores the region's energy storage market dynamics in this long-form article.

How many thermal power plants are there in Norway?

There are 30 thermal power plants in Norway, with a total installed capacity of about 642 MW. The power balance expresses the relationship between production and consumption and indicates whether the Norwegian power system is a net exporter or importer in a particular year.



Norway's energy storage system capacity

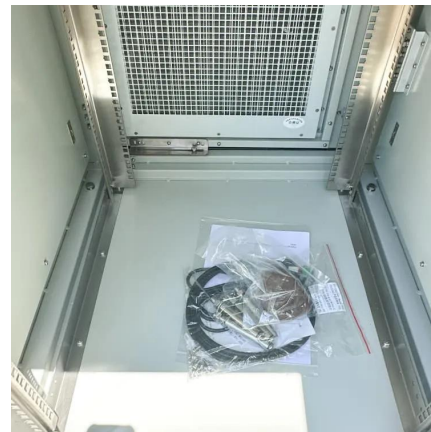


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Norway's hydropower pumped storage capacities, amounting to 83 TWh, are increasingly being leveraged to regulate renewable energy surpluses in Europe and stabilize electricity prices.



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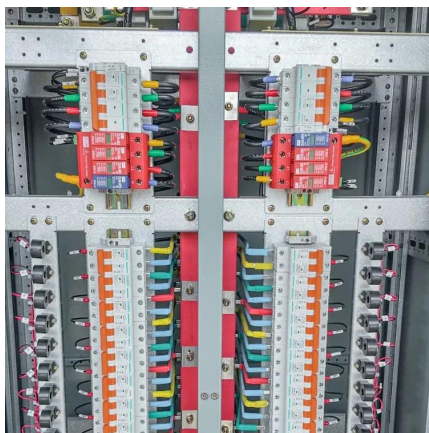


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