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SolarInnovate Energy Solutions

Distributed energy storage installation in Reykjavik

Overview

What are the main sources of electricity production in Iceland?

On Iceland the main sources for distribute electricity production is hydropower. Since geothermal power and hydropower is dominating in the Icelandic energy system it is hard for other energy sources to compete with the large-scale production. 10 MW of the installed hydropower on Iceland are in units below 1 MW.

What is distributed energy production in Finland?

The report examines the technical and financial potential5 of distributed energy production in Finland up to 2030. Distributed energy production is defined in the report as electricity and or heat production which is mainly used by the producer. The report considers different sources for distributed electricity production.

What is distributed energy production and self-consumption?

In this study, we interpret distributed energy production and self-consumption in line with art. 21 and 22 in REDII as being defined as “distributed electricity production with regards to installed capacity (<1 MW), even if no self-consumption is linked to them” and on-grid electricity production and consumption of renewable electricity.

What is distributed energy production in the Nordics?

The statistic overview aims at covering the development of distributed electricity production within the Nordics during the years 2005-2017. For all technologies except photovoltaics – where 100% are seen as distributed energy units, this analysis defines all production units below 1 MW as potential distributed energy units.

Can geothermal power be used in Iceland?

Since geothermal power and hydropower is dominating in the Icelandic energy

system it is hard for other energy sources to compete with the large-scale production. 10 MW of the installed hydropower on Iceland are in units below 1 MW. Only a few wind power projects in small-scale wind has been installed on Iceland.

How big is distributed energy production in Sweden?

The installed distributed energy production in Sweden was in 2017 40% 30% small-scale hydropower. The total amount of installed distributed energy production was about 1000 MW. The installation of PV has increased during the past 5 years and is now 294 MW. There is no statistical data on the small-scale hydropower in Sweden.

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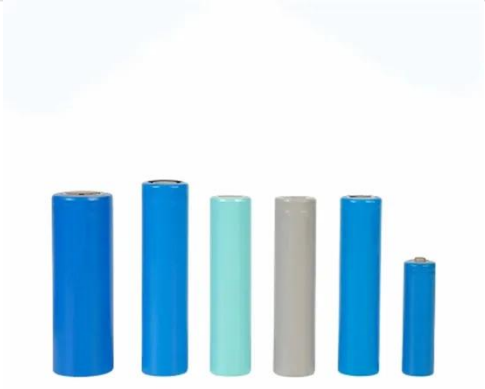

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