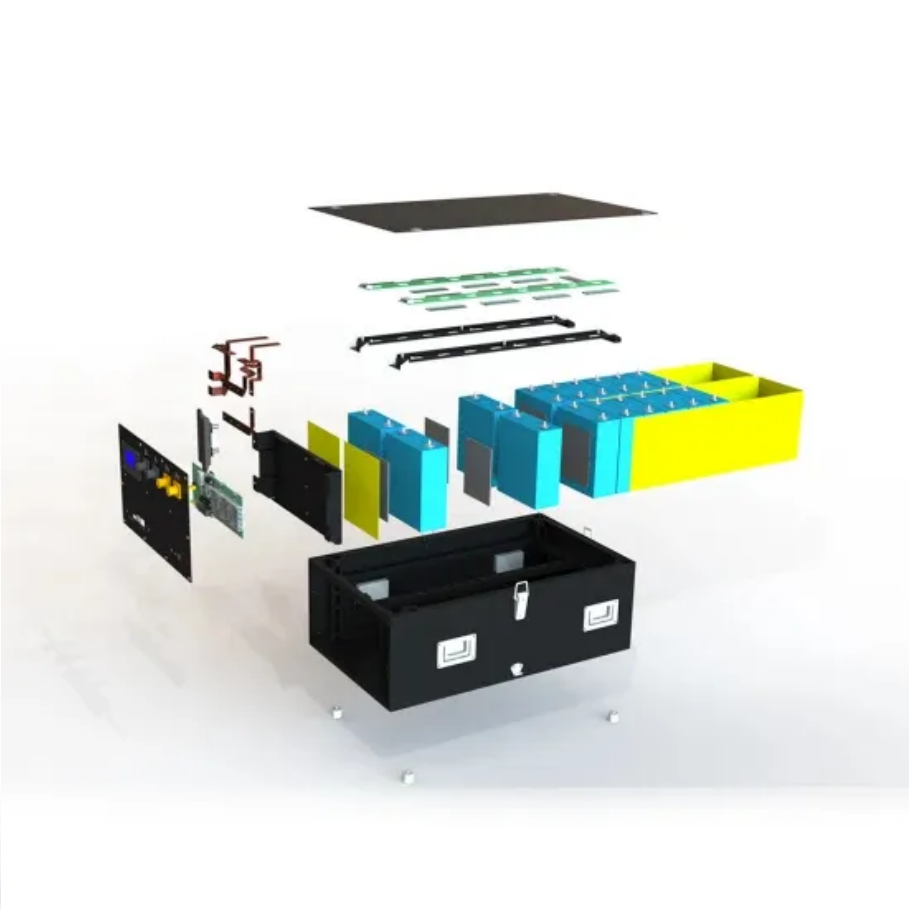
ContainerPower Energy Solutions

Wind power at three telecommunications base stations in Finland



Overview

Wind power in Finland has been the fastest growing source of electricity in recent years. In 2024, covered 24% of the yearly electricity demand with production, which was 25% of domestic production. Wind capacity was up 20% from the previous year and wind production up 37%. This compares to an average wind power share of 19% in the EU.

Could new wind power technology cover the entire electricity consumption of Finland?

According to a 2018 study done by VTT Technical Research Centre of Finland, published in Nature Energy, new wind power technology could cover the entire electricity consumption (86 TWh) of Finland. Wind power is one of the most popular energy resources among the Finnish public.

Will Finnish wind power reach a record level in 2022?

The Finnish Wind Energy Association estimates that, in Finland, wind power construction will continue to grow strongly in the coming years but that it will not quite reach the record level of 2022 in the next three years. Even so, new wind power in Finland is forecasted to reach 1,500 MW per year.

Are large-scale offshore wind farms a good match?

Large-scale offshore wind farms are a good match as both benefit from each other. In high winds, electricity can be stored as hydrogen, further improving the profitability of wind power generation.” concludes Norbert Beatrix, commenting on the near future challenges and opportunities for the industry.

How often is the wind power forecast updated?

The continuously updated forecast is calculated and updated every hour for the next 72 hours. Please note, that the official wind power generation statistics is published by Finnish Energy. The data can be found here:

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