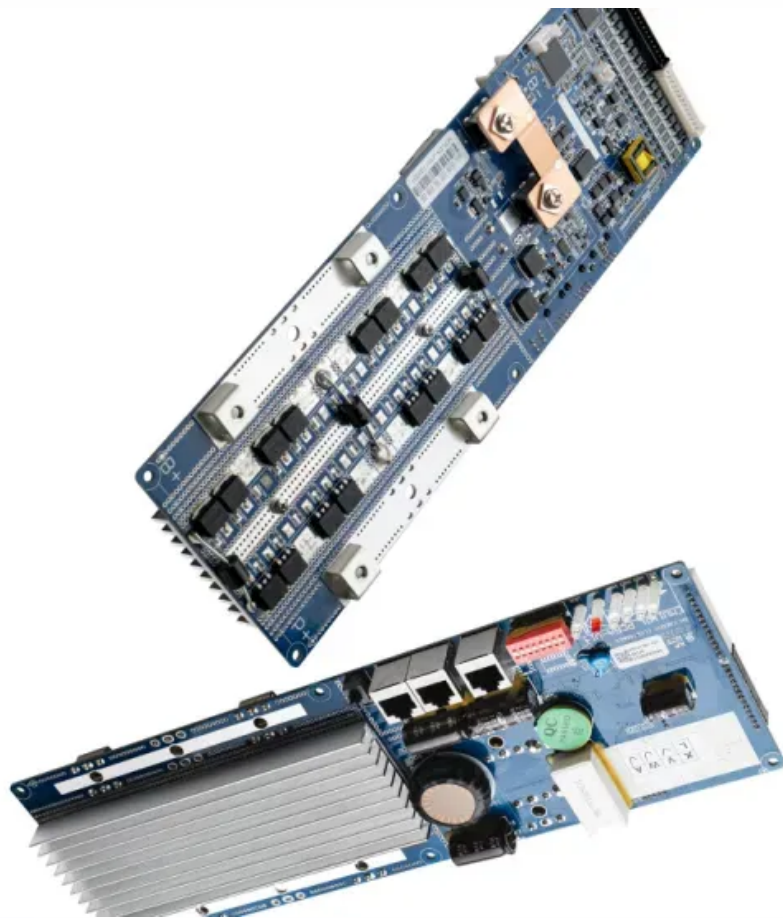


Canada maintains solar sites



Overview

This new mapping tool (completed in August 2024) includes a comprehensive list of renewable energy projects in Canada that are equal to or greater than 1 MW.

Canada maintains solar sites



By the Numbers

There are currently 118 Indigenous-owned wind, solar and energy storage projects in operation in Canada. Almost every major wind, solar and energy storage procurement process in Canada in 2025

[Potential paths to Canada's climate commitments through strategic](#)

The easiest path to transition is using the lowest-cost source of energy, which is solar photovoltaics (PV). This study brings clarity to Canada's efforts to achieve the net zero target



Canadian Renewable Energy Project Map

In addition to updated project information, the map includes a new battery energy storage layer, Indigenous renewable energy layer, and a solar energy potential layer.

[Photovoltaic potential and solar resource maps of Canada](#)

This web mapping application gives estimates of photovoltaic potential (in kWh/kWp) and of the mean daily global insolation (in MJ/m² and in kWh/m²) for any location in Canada on a 60 arc seconds ~2





Canada and solar power

Most of the solar power generating potential in Canada is located in the south in Alberta, Saskatchewan, and Ontario. Canada has an overall maximum capacity factor of 6%, compared to 15% in the US.

[National Survey Report of PV Power Applications in Canada 2022](#)

The continued decline in the cost of generating solar electricity has resulted in grid-connected PV systems approaching grid parity throughout Canada, with applications varying by province.



Canadian Solar - Global

Under Dr. Qu's leadership, we have grown into one of the world's largest solar photovoltaic products and energy solutions providers, as well as one of the largest solar power plant developers globally.

Canadian Solar

Northland has been producing solar power since 2013. Our 13 Canadian solar sites, located across Ontario, are home to about 600,000 solar panels and produce close to 200Gwh annually.



Solar Ready Guidelines

These Guidelines are intended to be simple and inexpensive to implement, while enabling significant savings in installation costs should a homeowner choose to install a complete solar system in the future.

Contact Us

For off-grid system quotes, technical support, or partnerships, please visit:
<https://www.kephamatraining.co.za>