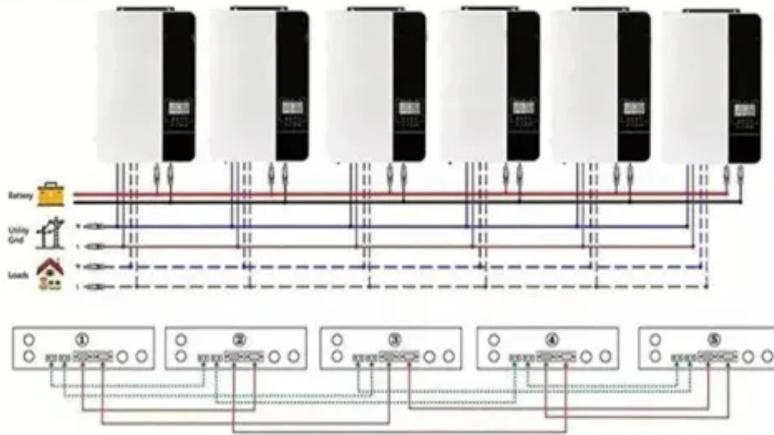


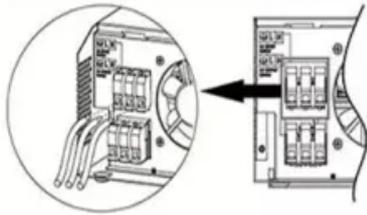
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Canadian centralized energy storage project

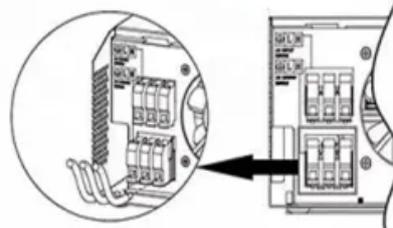
Parallel (Parallel operation up to 6 unit (only with battery connected))



AC input wires



AC output wires



Overview

May 7, 2025 - With 278 lithium-ion units now drawing and storing power from Ontario's grid, the Oneida Energy Storage Project has officially entered commercial operation, becoming the largest battery energy storage facility in operation in Canada, and among the largest globally.

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The installed capacity of energy storage larger than 1 MW—and connected to the grid—in Canada may increase from 552 MW at the end of 2024 to 1,149 MW in 2030, based solely on 12 projects currently under construction 1. There are an additional 27 projects with regulatory approval proposed to come.

Today, Parliamentary Secretary Marc G. Serré, on behalf of the Honourable Jonathan Wilkinson, announced that the federal government will give nearly \$3.4 million to Canada Nickel for its in-process tailings (IPT) carbonation technology. This funding was provided through the Energy Innovation.

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Oneida Energy Storage facility is a 250 MW/1,000 MWh lithium-ion battery energy storage facility, representing the largest grid-scale battery energy storage facility in Canada and within the top five clean energy storage projects in the world. It delivers critical capacity and improved efficiency.

Located in Haldimand County, Ontario, Oneida Energy Storage is a fully operational, 250 MW/1,000 MWh lithium-ion battery energy storage facility. It represents Canada's largest operational energy storage facility, and is amongst the largest energy storage projects globally. Oneida Energy Storage is.

As part of the first phase of Canadian Nuclear Laboratories' (CNL) Clean Energy Demonstration, Innovation and Research (CEDIR) Initiative, a team of scientists are exploring how thermal batteries could connect to a nuclear, renewable-hybrid energy system. Thermal batteries – also called thermal.

Canadian centralized energy storage project

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