

# **Ottawa has many solar container lithium battery replacement stations**





## Overview

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Does Ottawa have a battery energy storage plan?

In 2025, the City of Ottawa established official plan and zoning provisions for battery energy storage uses in accordance with new Official Plan policy. BESS is an emerging technology using batteries and associated equipment to store excess energy from the electrical grid, which can then discharge energy in periods of high demand.

What is a lithium-ion battery energy storage system?

Although energy storage comes in different shapes and sizes, the lithium-ion Battery Energy Storage System (“BESS”) is the fastest emerging technology in North America and is planned to be deployed in the City of Ottawa with the Ottawa BESS 2 Project.

Are solar and battery storage a distributed energy resource?

Solar and battery storage are considered a Distributed Energy Resource, or DER. This refers to small-scale power generation and storage systems that are ‘distributed’, meaning they are spread out closer to where the energy is needed, rather than relying on one large power source.

Who approves energy storage systems in Ontario?

The primary authority for the Installation and Approval of Energy Storage Systems connected to the electrical grid in Ontario is the Electrical Safety Authority (ESA). The ESA administers Part VIII of the Electricity Act and oversees the Ontario Electrical Safety Code (OESC).



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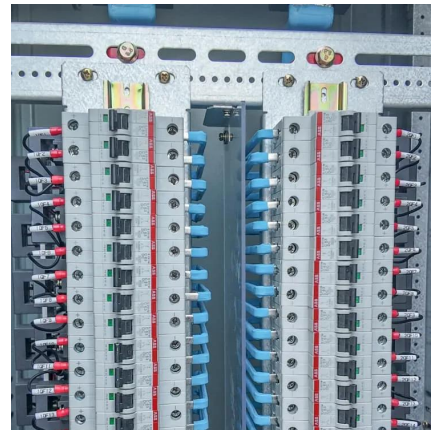
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### Battery storage

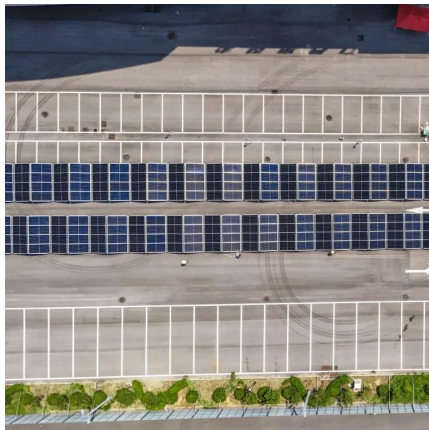
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During the day: Your solar panels generate electricity, powering your home or business while also charging your battery storage system. During a power outage or at night : Your battery backup ...



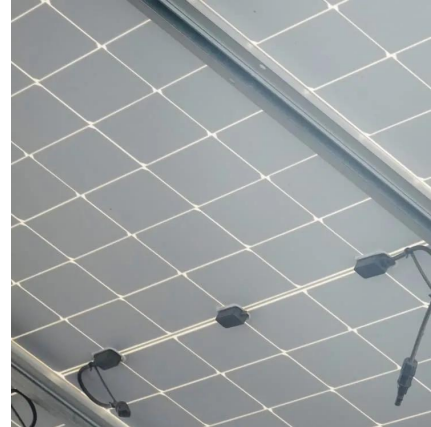
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## Ottawa BESS 2

The Ottawa BESS 2 Project will consist of lithium-ion battery cells connected in stacks and installed inside an enclosed area, like a shipping container or a small enclosure.

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