SOLAR PRO.

A-Core Container

Columbia Battery Energy Storage Equipment

Overview

What is the Columbia Energy Storage Project?

Utilizing cutting-edge technology designed by Energy Dome, the Columbia Energy Storage Project will boost grid stability, improve resilience and deliver enough electricity to power approximately 18,000 Wisconsin homes for 10 hours on a single charge.

What is Alliant Energy's Columbia Energy Storage Project?

Alliant Energy’s revolutionary Columbia Energy Storage Project, using Energy Dome’s safe, reliable CO2 battery, represents a significant advancement in energy storage while bolstering the power grid to benefit Wisconsin customers.

Will Wisconsin build the first long-duration energy storage system?

MADISON, Wis. (July 18, 2025) – Plans to construct the first long-duration energy storage system of its kind in the United States are advancing following approval from the Public Service Commission of Wisconsin (PSC).

Where will a new energy storage system be built?

The energy storage system will be built south of Portage, Wisconsin in the town of Pacific and near Alliant Energy’s existing Columbia Energy Center. Construction is expected to begin in 2026 and be completed by the end of 2027.

Can K-Na/S batteries save energy?

In a new study published September 5 by Nature Communications, the team used K-Na/S batteries that combine inexpensive, readily-found elements -- potassium (K) and sodium (Na), together with sulfur (S) -- to create a low-cost, high-energy solution for long-duration energy storage.

What are Columbia Engineering Material scientists doing?

Columbia Engineering material scientists have been focused on developing new kinds of batteries to transform how we store renewable energy.

Columbia Battery Energy Storage Equipment

Contact Us

For catalog requests, pricing, or partnerships, please visit: https://a-core.pl