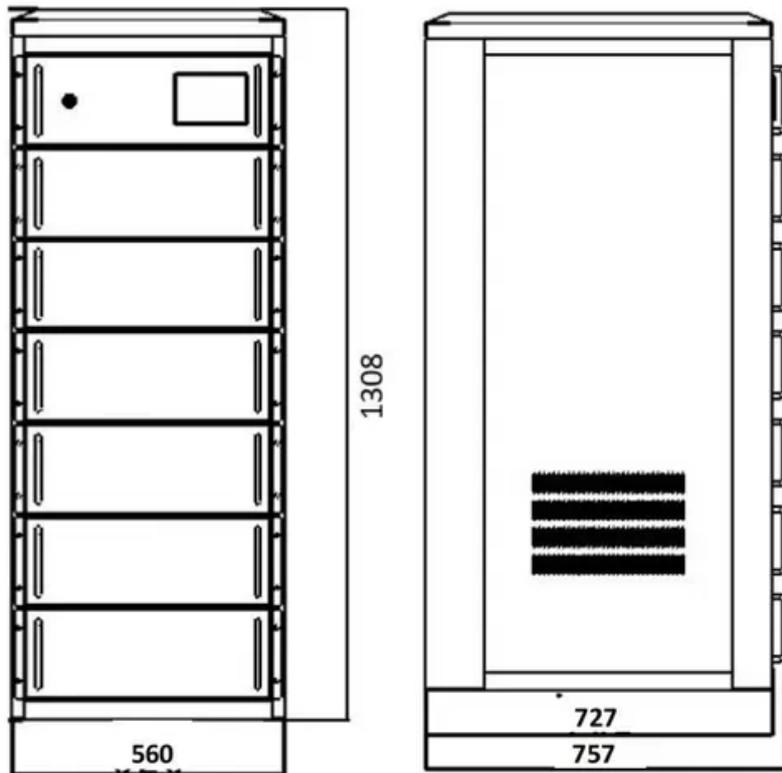


## ContainerPower Energy Solutions

# The Vatican is suitable for energy storage projects



## Overview

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Discover how the Vatican is pioneering industrial-scale energy storage to balance heritage preservation with modern sustainability goals. This article explores innovative solutions tailored for historic institutions transitioning to renewable energy.

Discover how the Vatican is pioneering industrial-scale energy storage to balance heritage preservation with modern sustainability goals. This article explores innovative solutions tailored for historic institutions transitioning to renewable energy.

ROME (AP) — Italy agreed Thursday to a Vatican plan to turn a 430-hectare (1,000-acre) field north of Rome, once the source of controversy between the two, into a vast solar farm that the Holy See hopes will generate enough electricity to meet its needs and turn Vatican City into the world's first.

On May 29, 2025, the Vatican City officially transitioned to solar power, marking a significant shift in the European energy landscape. The heart of this change is located at Santa Maria di Galeria, a former Vatican Radio site that has been transformed into a solar energy hub. This project was.

According to the Vatican's press office, the installation will apply the most advanced solutions currently available, balancing clean energy generation with the preservation of agricultural use, the region's hydrogeological stability, and the protection of its cultural and archaeological heritage.

The Holy See and the Italian Republic have signed an agreement to build an agrivoltaic plant in the Vatican's Santa Maria di Galeria area just outside of Rome, aiming to supply Vatican City State with renewable energy. By Vatican News Upholding and taking action on a shared commitment to promote.

The Holy See has pledged to cut its greenhouse gas emissions by 20% from 2011 levels by 2030 and to reach net-zero emissions by 2050—the latter in line with broader European ambition. While not yet fully powered by renewables, the Vatican has steadily expanded its solar infrastructure since 2008:.

Pope Francis had a dream that the Vatican would run entirely on green energy. He wanted to highlight the need “to make a transition to a sustainable development model that reduces greenhouse gas emissions into the atmosphere, setting the goal of climate neutrality.” To model what this could look. Is Vatican City powered by solar?

This is not just about rooftop panels; it’s about how science, sustainability, and faith can coexist and set the pace for the rest of the world to follow. Vatican City is powered by solar. On May 29, 2025, the Vatican City officially transitioned to solar power, marking a significant shift in the European energy landscape.

Will the Vatican build a solar plant in 2024?

In 2024, the Vatican announced a new solar plant to be built on Church-owned land outside Rome, positioning the city-state to become the eighth country in the world to run entirely on renewable electricity. The project will also include agricultural activity, creating an “agrivoltaic” site that combines solar energy production with farming.

How will the Vatican's new energy system work?

According to the Vatican’s press office, the installation will apply the most advanced solutions currently available, balancing clean energy generation with the preservation of agricultural use, the region’s hydrogeological stability, and the protection of its cultural and archaeological heritage (ZENIT News / Rome, 08.01.2025).-

Why did Acea install a solar energy system in Vatican City?

This project was carried out by ACEA, an Italian utility company, which installed systems to meet all of the Vatican’s energy demands. What makes this significant is not the size, but that Vatican City is only 0.49km<sup>2</sup>, and there was no loud campaign, no press tour, just action set in stone and implemented.

Why does the Vatican have a solar system?

The Vatican’s solar shift is a culmination of a political and spiritual mission years in the making. In 2024, the late Pope Francis issued an apostolic letter ordering the construction of an agrivoltaic solar plant to supply the Vatican with energy from Santa Maria di Galeria. On the same site, the new solar infrastructure now stands.

What is the Vatican doing to reduce waste?

The project will also include agricultural activity, creating an “agrivoltaic” site that combines solar energy production with farming. In terms of waste, the Vatican is working to increase its recycling rate from 65% to 75%, surpassing the EU average of around 49% (Eurostat, 2022).

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