

SolarInnovate Energy Solutions

Yard Solar System



Overview

What is a ground-based solar energy system?

Ground-based solar energy systems, also known as ground-mounted photovoltaic (PV) systems, are a type of solar power system that is installed on the ground rather than on a rooftop. Unlike rooftop solar panels, ground mounted panels are not limited by the size or structure of a building and have the ability to generate more electricity.

Where can a ground-mounted solar panel be installed?

Ground-mounted solar panels can be installed anywhere with good sun exposure and sufficient amounts of open space – a minimum of 350 square feet is usually required. Ground-mounted solar panels are also known as backyard solar panels, free-standing solar panels, and ground-mount PV systems.

Why should you choose a ground-mounted solar system?

With a ground-mounted system, you can choose the orientation of your solar panels to increase energy production. Ground-mounted systems also tend to operate more efficiently because they have more air circulation beneath the panels, allowing them to stay cool. Ground-mounted solar panels are easily accessible for cleaning and maintenance.

How much does a ground-mounted solar system cost?

Ground-mounted solar panels operate like a typical rooftop system but are generally more efficient. Ground-mounted solar panel installations cost about \$42,140 after the federal tax credit. They're usually more expensive than roof-mounted systems but can maximize your renewable energy production depending on your roof's orientation and shading.

What is a ground-mounted solar power system?

A ground-mounted solar power system is just what it sounds like - a system of

solar panels that are mounted on the ground on your property, rather than on the roof of your house. A ground-mounted solar power system is just what it sounds like – a system of solar panels installed at ground level, rather than on the roof of your house.

How often can a solar system be adjusted?

Operators can manually adjust some standard ground-mounted solar panel systems a few times a year to account for seasonal shifts of the sun. Pole-mounted solar systems support multiple solar panels on a single pole and elevate panels higher off the ground than a standard ground mount.

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Can I Put Solar Panels in My Yard? A Complete Guide to ...

Jun 19, 2025 · Backyard solar panels, also known as ground-mounted solar systems, offer an efficient, flexible alternative to traditional rooftop installations. This guide explains everything ...

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