

Making homes energy efficient



Solar PV

At IZ Energy, we are committed to helping you meet your energy needs. With years of experience in the solar industry, our team of experts are dedicated to providing solar PV solutions tailored to your property's specific requirements.

What is Solar PV?

Solar Photovoltaic (PV) is a clean and renewable energy source that converts sunlight into electricity. It reduces your reliance on traditional fossil fuels to power your home and business.

How does Solar PV work?

Domestic solar PV converts sunlight into electricity to power your home's electrical appliances. Here's a simple explanation of how it works:

Solar Panels

Solar panels are installed on the roof or in a sunny area of your property. They contain photovoltaic cells that capture sunlight.

Electricity Generation

Photovoltaic cells release electrons from absorbed sunlight, creating an electric current that flows through the wiring of the solar panels.

Sunlight Absorption

When sunlight hits the solar panels, the photovoltaic cells absorb the energy from the sunlight.

Inverter

An inverter converts the generated electricity from direct current (DC) to alternating current (AC), suitable for your home's electrical system.

Powering Your Home

The electricity produced by the solar PV system is now ready to power your home. It flows into your electrical panel, where it can be used to run anything that requires electricity.



IZ Energy

Making homes energy efficient

Benefits of Solar Energy

Transitioning to solar energy offers numerous advantages, including:

Renewable and Sustainable Energy:

Solar PV harnesses sunlight, an abundant and renewable energy source. As long as the sun continues to shine, solar energy can be tapped, making it a sustainable solution for the future.

Reduced Electricity Bills:

By generating your electricity from solar panels, you can significantly lower your dependence on electricity from the grid. This can lead to substantial savings on your energy bills over time.

Environmentally Friendly:

Solar PV is a clean energy source, producing no harmful emissions or greenhouse gases during operation. By choosing solar, you help combat climate change and reduce your carbon footprint.

Low Operating and Maintenance Costs:

Once installed, solar PV systems have minimal operating costs since sunlight is free. Routine maintenance is simple and typically involves cleaning the panels to ensure optimal performance.

We are committed to your satisfaction and are here to assist you every step of the way. Please contact us if you have any questions or require additional support.



Scan me

Our Partners & Accreditations

