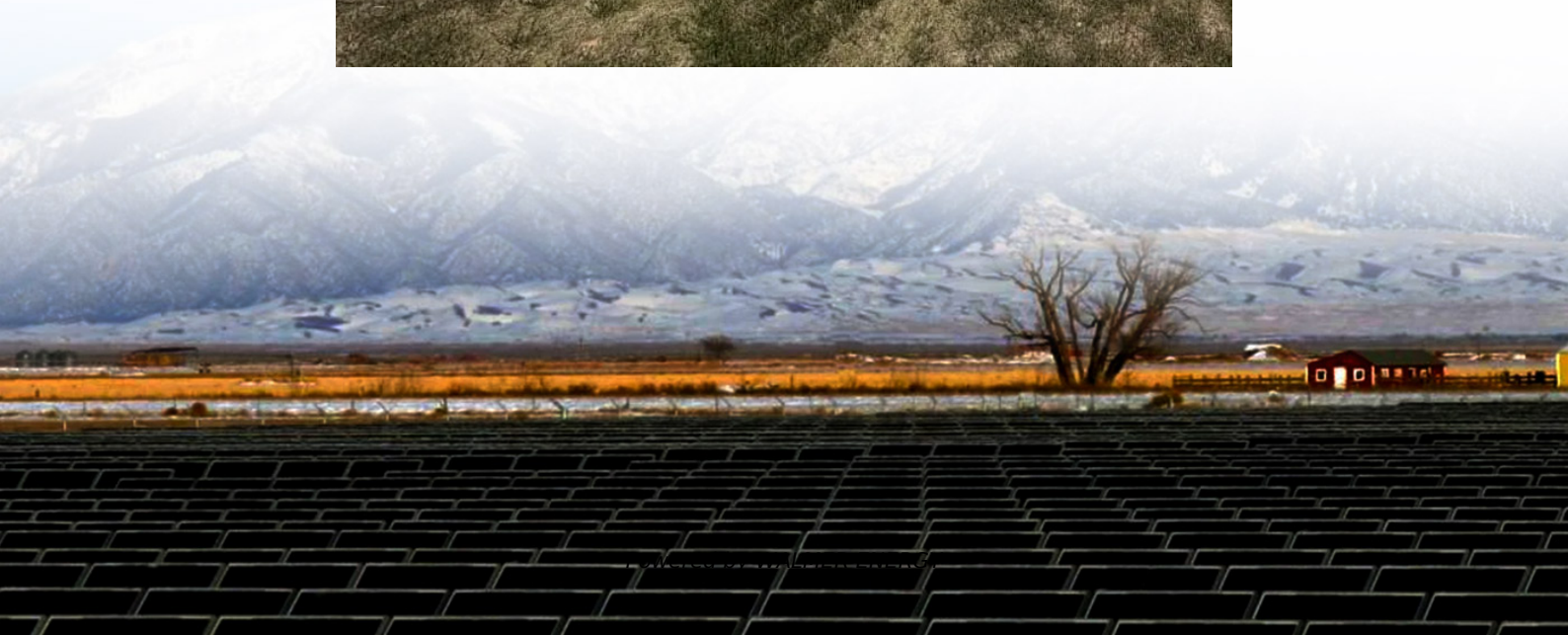


Solar panels in Praia generate electricity





Overview

What is solar energy?

Solar power is energy from the sun that is converted into thermal or electrical energy. Solar energy is the cleanest and most abundant renewable energy source available, and the U.S. has some of the richest solar resources in the world.

What is the photovoltaic effect?

The photovoltaic effect is the conversion of sunlight into electricity. This process occurs in photovoltaic cells, which are the most critical part of a solar panel. There are two main types of solar cells: monocrystalline and polycrystalline.

What is solar energy & how does it work?

Solar energy is a very flexible energy technology: it can be built as distributed generation (located at or near the point of use) or as a central-station, utility-scale solar power plant (similar to traditional power plants).

How does a solar PV system generate electricity?

Solar PV systems generate electricity by absorbing sunlight and using that light energy to create an electrical current. Each solar module contains many photovoltaic cells, and the current created by all of the cells together adds up to enough electricity to help power your home.



Solar panels in Praia generate electricity

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