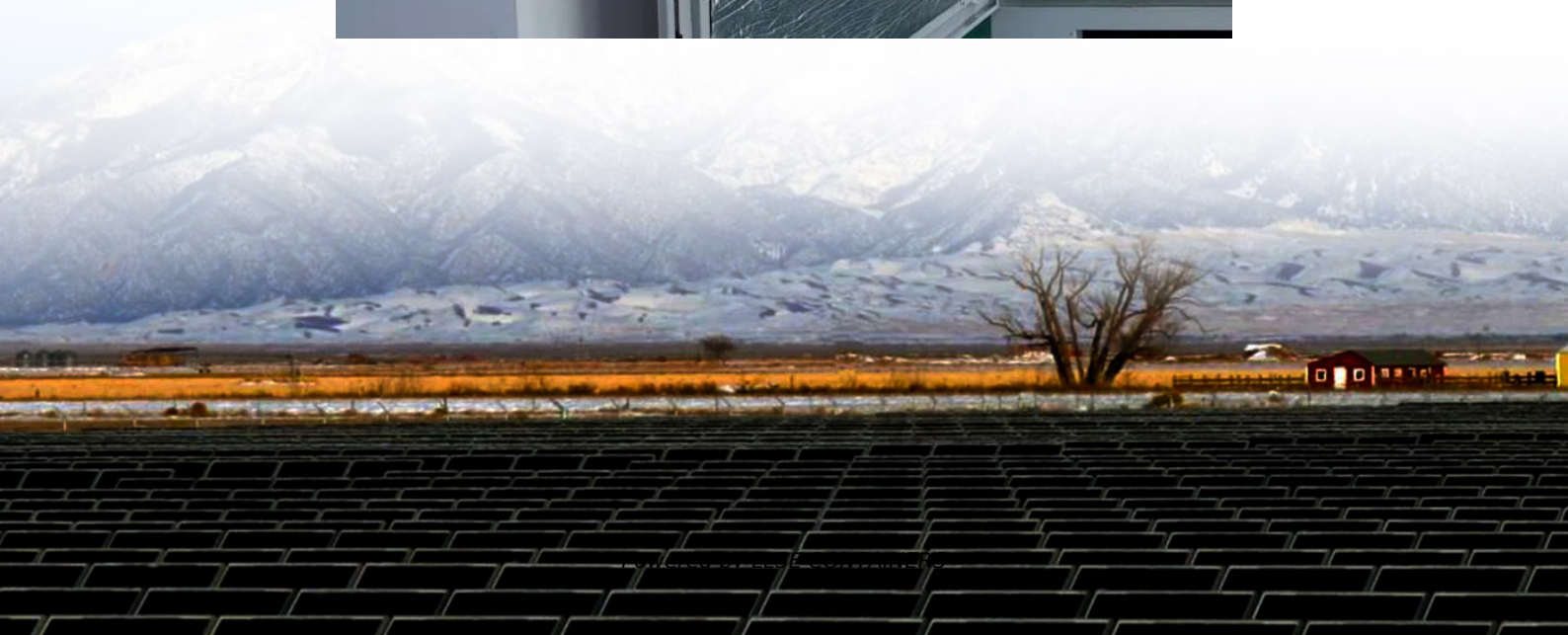# Service Solar Power System

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 a solar power system?

A solar power system is made up of a variety of components that turn sunlight into useful electricity. Photovoltaic (PV) panels are at the heart of any system, absorbing sunlight and converting it into direct current (DC) power.

What is solar energy used for?

Solar technologies can harness this energy for a variety of uses, including generating electricity, providing light or a comfortable interior environment, and heating water for domestic, commercial, or industrial use. There are three main ways to harness solar energy: photovoltaics, solar heating & cooling, and concentrating solar power.

What is a photovoltaic system?

Among these, photovoltaic systems stand out for their efficiency and versatility, transforming sunlight into power directly through solar panels. This makes them the favored option for both home and business applications.

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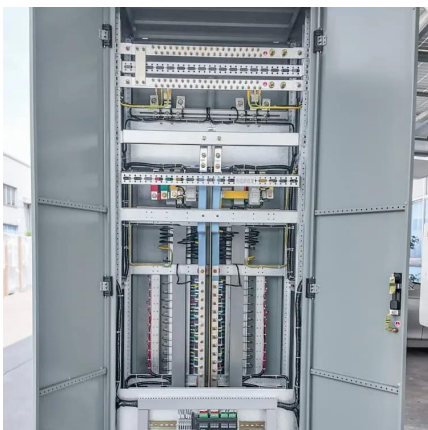
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