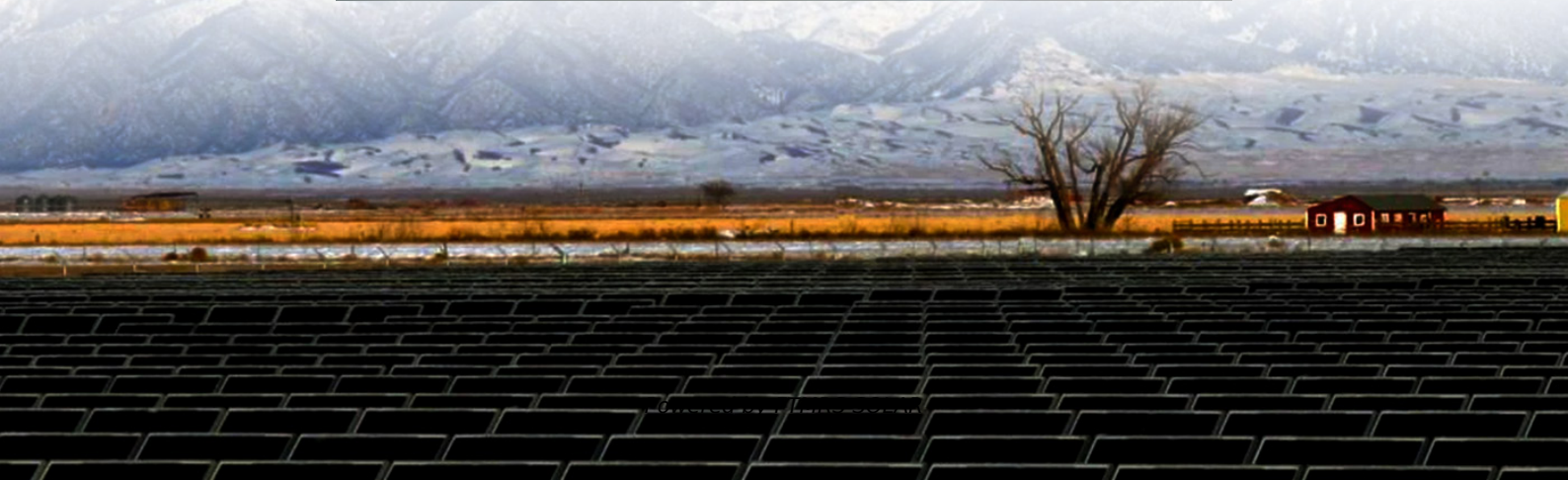


# The reasons why it is difficult to store energy in solar power plants





## Overview

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Is solar energy storage a problem?

The problem of energy storage is especially actual in respect to renewable sources of energy, such as sun, wind, tides, which have seasonal or diurnal variations and which therefore are not available at any moment of time. This paper overviews the main principles of storage of solar energy for its subsequent long-term consumption.

What happens when a solar farm lacks storage capabilities?

Without storage capabilities at the solar farm, the actual energy levels being produced at the facility can become inconsistent. That impacts all the homes and businesses which rely on this power source for their daily energy needs.

How can we solve solar energy storage problems?

Solar energy storage problems can be addressed by several potential solutions. Lead-acid batteries, model, are one promising option. Other potential solutions include a smart grid system, sensible heat storage system, mechanical ways to store energy, underground thermal energy storage system, and Electrochaea plants. Let's explore each one in detail. Lead-acid batteries, model.

What are the problems with solar energy?

Solar energy generation presents two main problems: sometimes, you generate more energy than your required capacity, and other times, there is a shortage of energy.



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