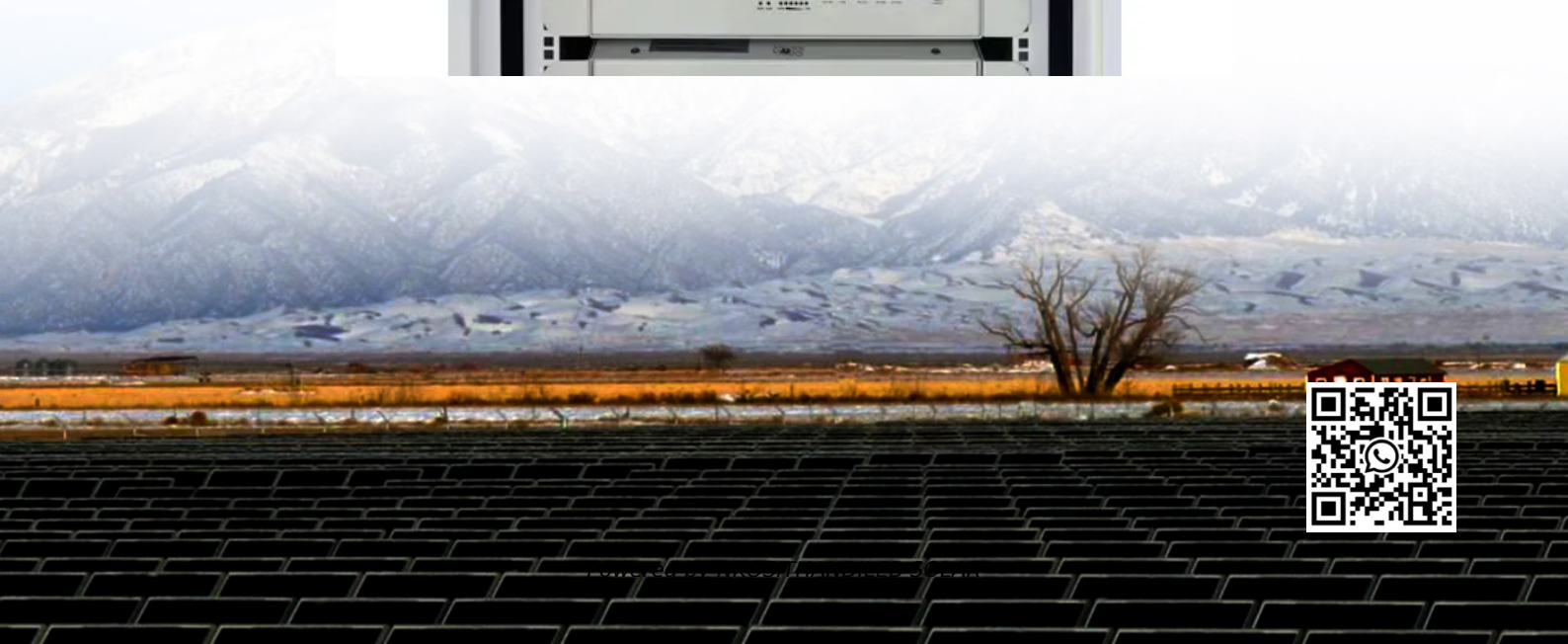


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Solar and solar hybrid power plants



Overview

What is a hybrid power plant?

The system consists of hydro-electric plant (HEP) and solar photovoltaic generator working together as one hybrid power plant, producing green energy with the same characteristics as classical hydroelectric plant.

Why are most solar energy systems hybrids?

Most solar energy systems are hybrids because solar systems cannot provide adequate energy from the economic side. If we examine most of the systems described above, there is often a conventional energy source to secure the required load.

What is a hybrid solar energy production system?

A structure different from the conventional grid structure occurs in hybrid solar energy production systems. Renewable energy sources in more than one building or institution and their integration are one of the important issues. These innovative grid structures are called microgrids.

What is a hybrid renewable power generation system?

A hybrid structure can be created by combining solar-based renewable energy sources (e.g., PV panel and concentrated solar plant). But the problem here is that the source of both power generating units is solar. In such a hybrid renewable power generation system, energy generation will not occur when there is no solar.

Solar and solar hybrid power plants

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