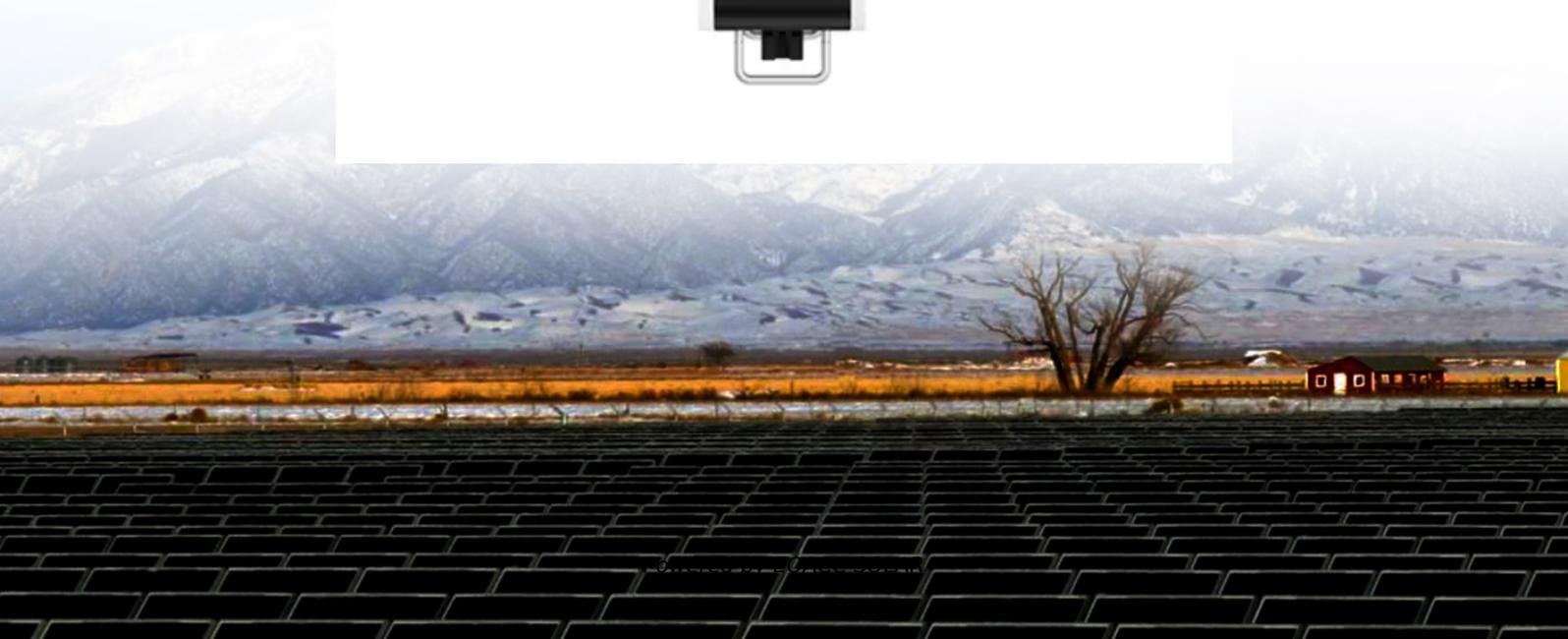


EQACC SOLAR

Analysis of the current status of solar container communication station inverters



Overview

Are communication and control systems needed for distributed solar PV systems?

The existing communication technologies, protocols and current practice for solar PV integration are also introduced in the report. The survey results show that deployment of communication and control systems for distributed PV systems is increasing.

Why is inverter reliability important in a large-scale PV plant?

Abstract: In large-scale PV plants, inverters have consistently been the leading cause of corrective maintenance and downtime. Improving inverter reliability is critical to increasing solar photovoltaic (PV) affordability and overall plant reliability.

Are Chinese solar power inverters connected to critical infrastructure grids?

U.S. energy officials have launched an investigation after discovering unauthorized communication equipment embedded within Chinese-manufactured solar power inverters connected to critical infrastructure grids across the country.

What are the salient features of the proposed power converter?

The salient features of the proposed power converter are that some power electronic switches are simultaneously used in both the dc-dc power converter and dc-ac inverter, and only two power electronic switches operate at high switching frequency at the same time (one is in the dc-dc power converter and the other is in the dc-ac inverter).

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