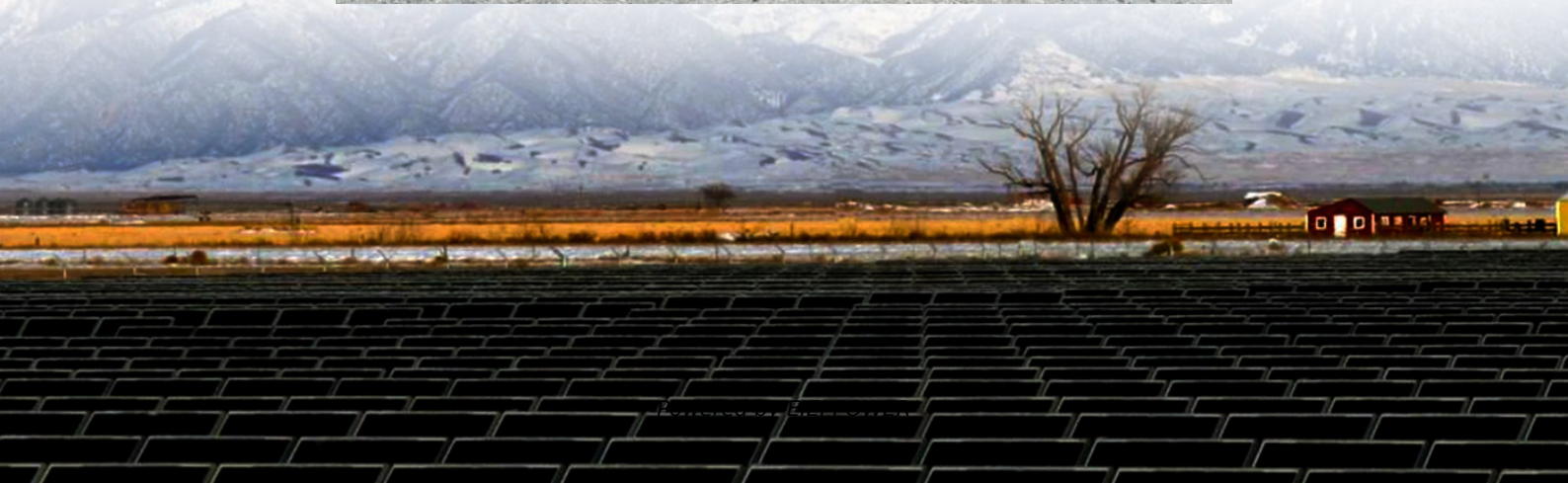


Cost-effectiveness of grid-connected photovoltaic containers for cement plants





Overview

The price of photovoltaics (PV) has been steadily decreasing over the last decade, and many reports suggest that PV has become considerably cheaper than conventional electricity sources. In this pap.

Do grid-connected PV systems improve performance?

The results for the grid-connected PV systems investigated show a trend towards lower system cost and increased performance over this period. In total, 774 datasets were collected in the economic survey, of which 527 contained useful economic data from grid-connected PV systems built between 1992 and 2006.

Can grid-connected photovoltaic power plants be optimized?

The increasing penetration of photovoltaic (PV) technology calls for the development of an effective method for optimization of grid-connected photovoltaic power plants.

Can a grid-connected solar PV system have a net metering strategy?

Grid-connected solar photovoltaic (PV) systems are becoming increasingly popular, considering solar potential and the recent cost of PV modules. This study proposes a grid-connected solar PV system with a net metering strategy using the Hybrid Optimization of Multiple Electric Renewables model.

How much electricity will a grid-connected PV system produce?

By the end of 2007 more than 130 grid-connected PV plants with a total capacity of about 4 500 kW will produce 4 000 MWh of electrical energy. Figure 51 shows the cost data from 11 grid-connected PV systems that were constructed in 2004 and 2005 for the utility ewz in Zürich as part its PV programme.



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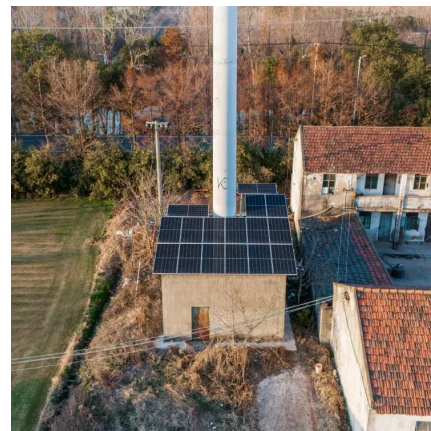
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