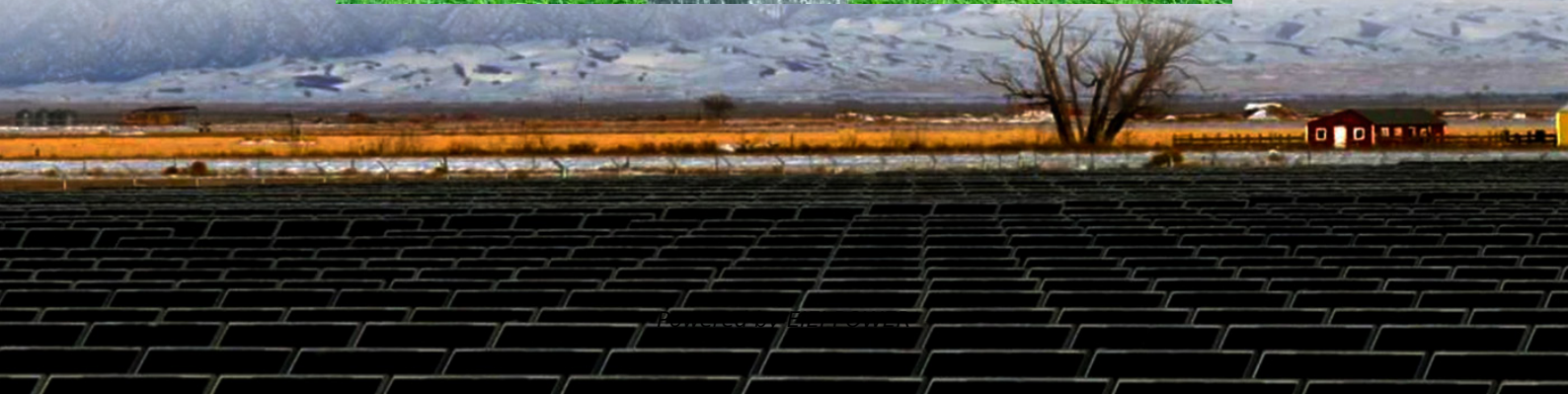


Comparison of 50kW Photovoltaic Container Power Generation with Diesel Power Generation





Overview

Can a diesel generator be used as a photovoltaic system?

In combination, diesel generators and photovoltaic systems are very well suited to energy supply in areas with an unstable or non-existent mains supply. The additional use of solar energy reduces fuel consumption, which saves costs. Furthermore, the integration of a PV system brings a sustainable factor into the system.

Why should you integrate photovoltaics into diesel power systems?

Integrating photovoltaics into existing diesel power systems enables reductions in fuel costs and guarantees an efficient electricity supply. PV-diesel solutions offer independence from rising diesel prices and reduce operating- and maintenance costs, especially in remote areas far from the utility grid.

Can a PV system save energy?

Whether the goal is to fill in the gap made by grid failure or to reduce fuel expenditure, the PV system can supply additional energy. Batteries can also be used to store the excess energy to be used later on. An energy management system like ePowerControl can ensure fuel saving and optimal operation of the overall system.

Can a diesel generator be converted into a solar/diesel hybrid system?

For this reason, there is a clear financial justification for converting almost every diesel-powered system into a solar/diesel hybrid system. Every unused diesel kWh saves money. The combination of diesel generators with PV systems quickly pays for itself through the large savings in fuel costs.



Comparison of 50kW Photovoltaic Container Power Generation with



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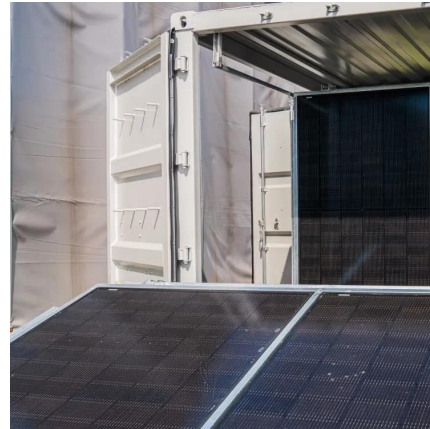
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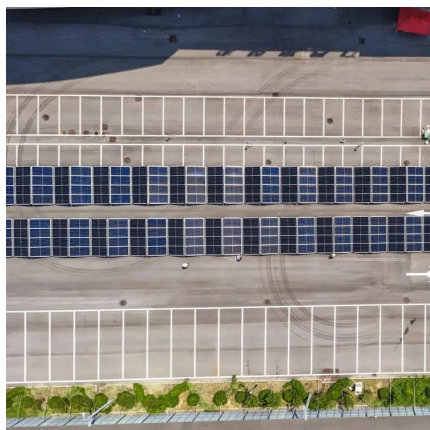


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