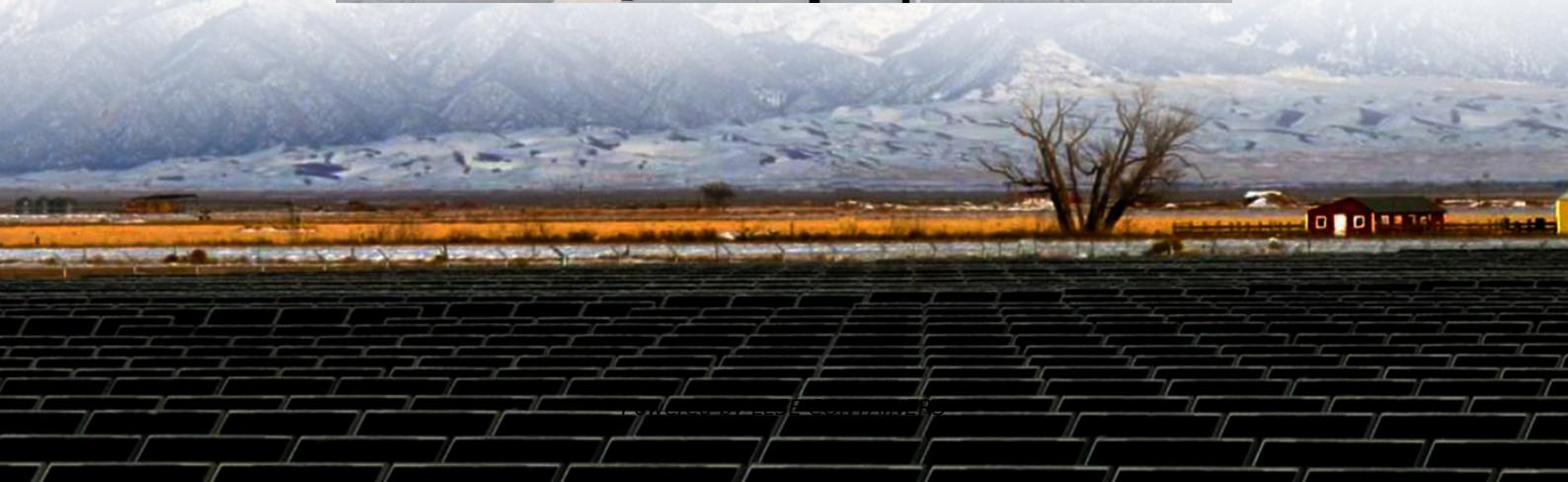




LLSE CONTAINERS

Comparison of 250kW photovoltaic container generator and diesel generator





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.

Are solar generators better than diesel generators?

Hence, reliability is not an issue when it comes to solar powered gensets. Diesel generators, on the other hand, do not have this issue. But if there is a storm or any such disaster, the generators become useless. Thus, when looking at the investment point of view, solar generators win against the diesel generators.

Are solar powered gensets reliable?

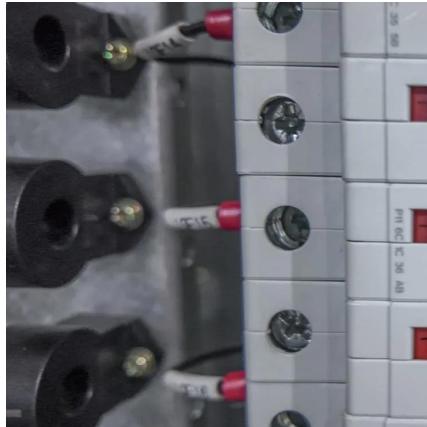
In warm/hot countries, solar generators are more reliable. But in countries where there is less sunshine and more rains and winds, solar energy doesn't come in handy. However, in Germany, solar energy is used at a much higher level than in North America. Hence, reliability is not an issue when it comes to solar powered gensets.

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.



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