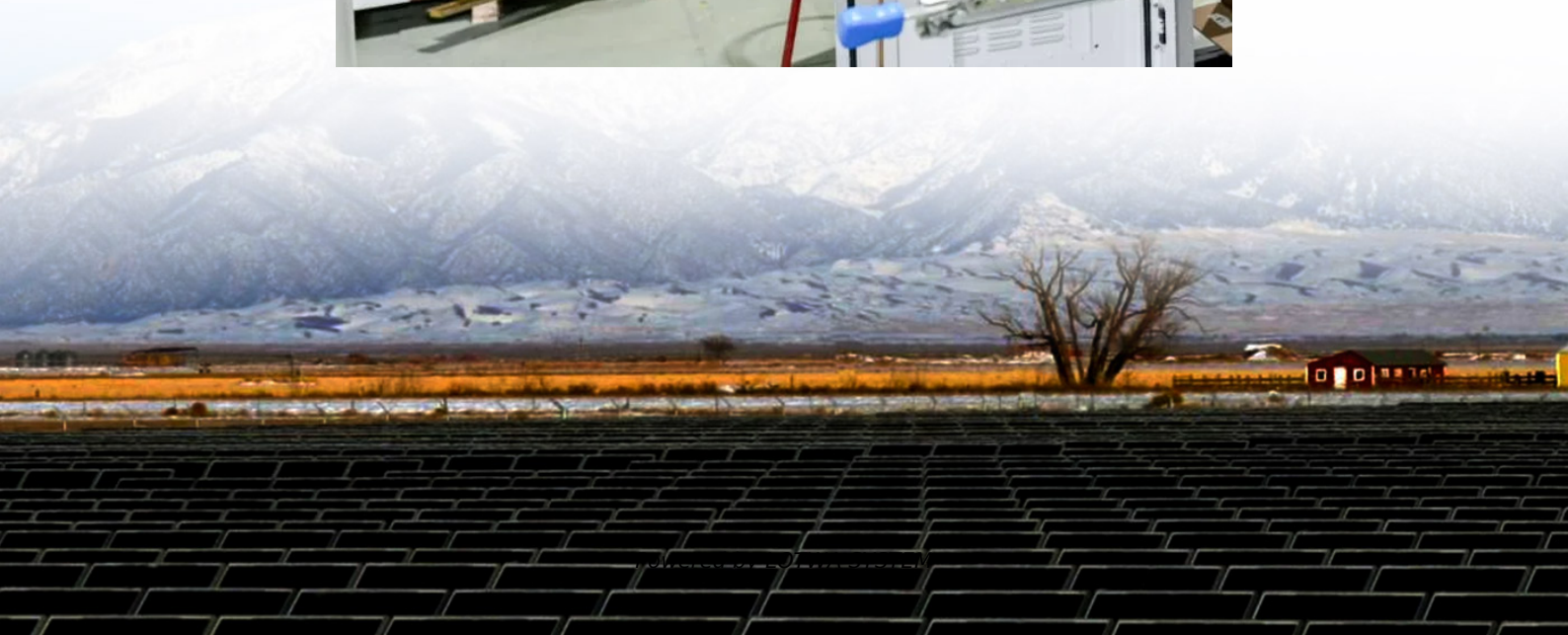


Design of small power station generator set





Overview

What is electrical generator?

The electrical generator is a machine, which converts mechanical power into electrical or power. Energy conversion is based on the principle of the production of dynamically induced electromagnetic force in the force field making the conductor and the magnetic field the most important parts in topic.

What are the different types of generators?

Generators can generally be grouped under the type of current it delivers such as Direct and in-direct currents. They are also grouped based on the matching of the prime mover and the electrical power generator such as the asynchronous generator and synchronous generator.

What is synchronized 100MW gas turbine engine & generator design?

This design specifically provides for a power plant that has a synchronized 100MW gas turbine engine and a 100MW generator that would be running on base load hence the requirement of the generator to match the power delivered by the prime mover as well as the necessary parts and systems that must be in place for the proper operation are provided.

How should a building/facility be selected for standby generation?

General Design Considerations 2.1. Where it is deemed necessary for a building/facility to be provided with standby generation, undertaken within the building. The selection should be based on the following general criteria: each building or centrally and distributing to each building.



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