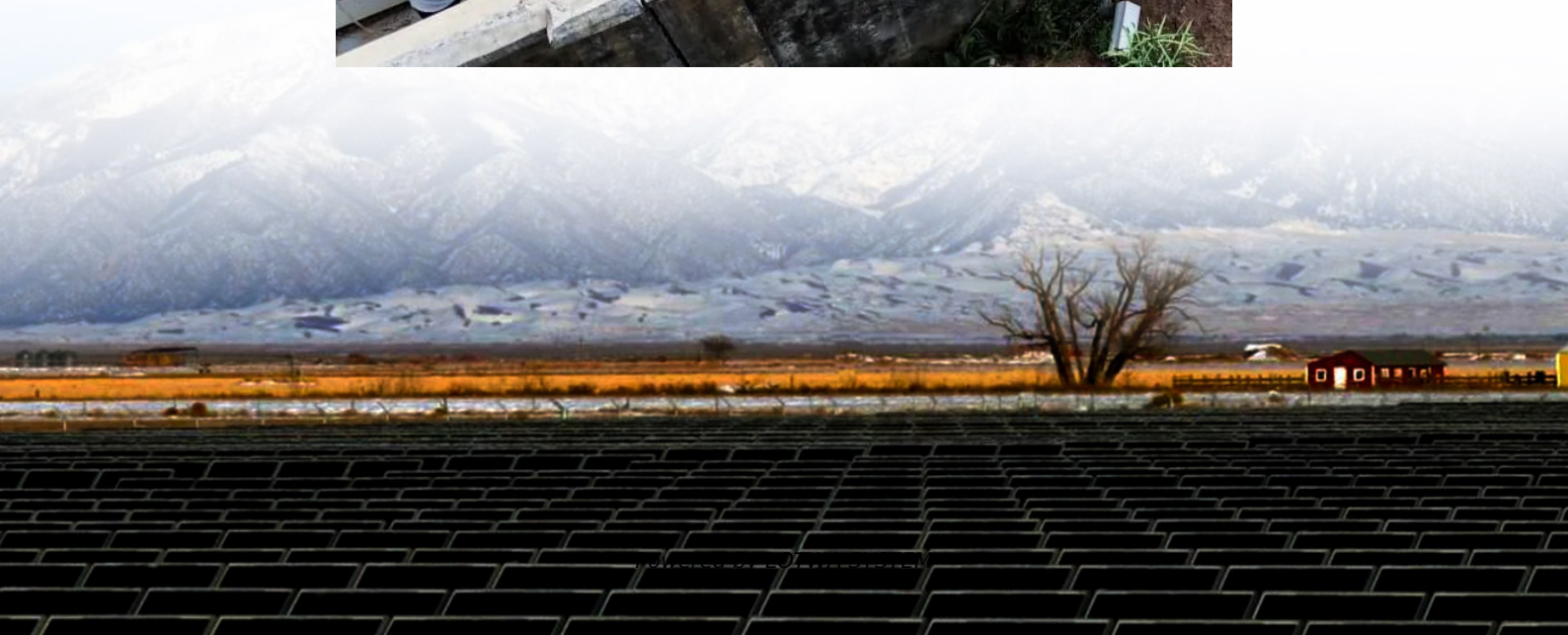


Damascus substation UPS uninterruptible power supply





Overview

Why should you install a UPS system in a substation?

With UPS installations in plants and substations, you can guard against downtime throughout your entire infrastructure. Avoid the irony of a power plant without power with uninterruptible power supplies to ensure the continuity of the utility's supply and minimize disruptions.

What is an uninterruptible power supply (UPS)?

An Uninterruptible Power Supply (UPS) is defined as a piece of electrical equipment which can be used as an immediate power source to the connected load when there is a failure in the main input power source. In a UPS, the energy is generally stored in flywheels, batteries, or super capacitors.

What is an uninterrupted power supply battery?

Uninterrupted power supply batteries are an essential part of a UPS system. They are the stopgap measure designed to briefly supplement power when the main power source fails. UPS batteries are a key feature in the instantaneous response to power outages and are critical to the protection of sensitive electronics and devices.

What is a mechanical non-battery UPS?

UPSs are connected directly to a company's main power supply. Mechanical non-battery UPS systems are voltage frequency independent (VFI) devices that are referred to as mechanical uninterruptible power systems. They are double conversion units where power conversion is mechanical with motors that act like rectifiers.



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Types of UPS (Uninterruptible Power Supply)

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Uninterruptible Power Supply (UPS): Block Diagram

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