

Brazzaville 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 a device designed to provide backup power when the primary power source fails or when voltage levels drop below acceptable limits. UPS systems are commonly used in computers, server farms, and data centers to ensure uninterrupted operation and protect digital data from power-related disruptions.

How does an UPS system control a generator?

Since generators produce frequently changing loads, the UPS system regulates the generator's power using an online double conversion UPS system. Since UPS systems are constantly converting incoming power to AC power into DC power and back to AC power, they can adjust power from the main or a generator.

Do you need a double conversion UPS?

Businesses commonly install generators for extended support, but pairing them with online double conversion UPS ensures stable power and protects sensitive systems during interruptions. Uninterruptible power supplies rely on batteries and provide backup power for a short time during power failures and outages.



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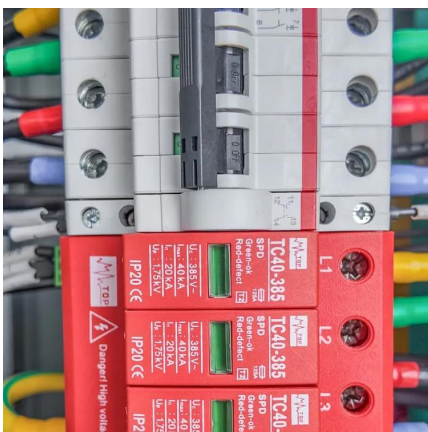
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