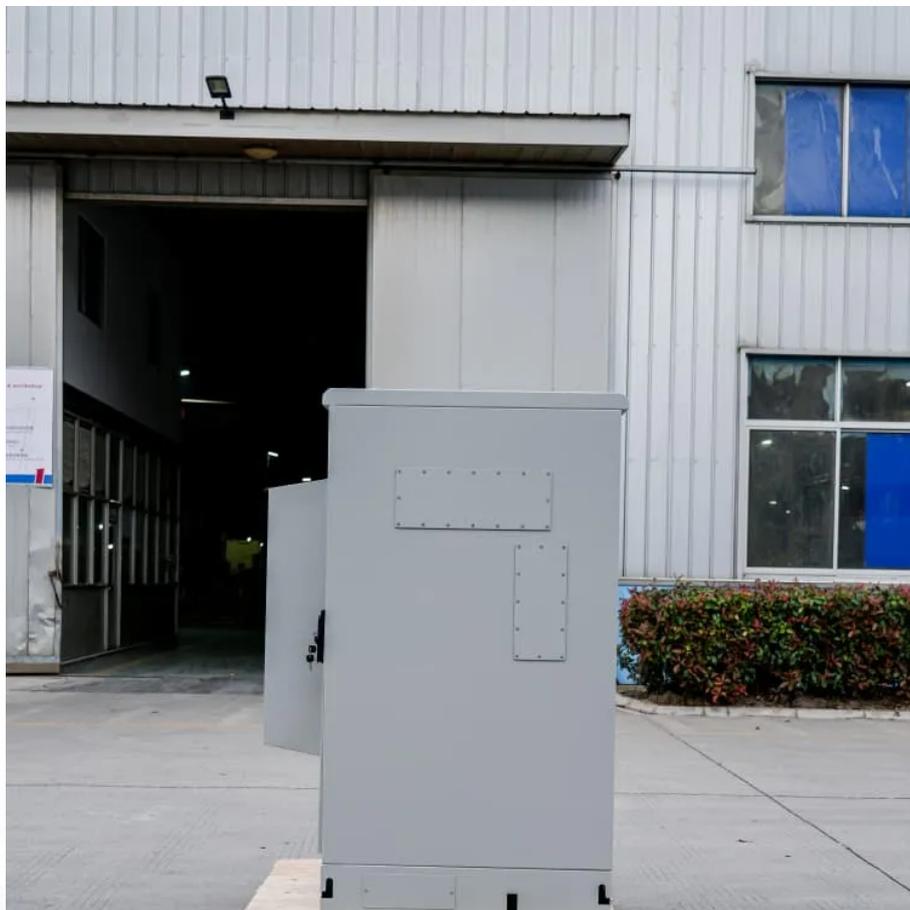


# **Uninterruptible power supply for substations**





## Overview

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What is an uninterruptible power supply (UPS)?

The uninterruptible power supply (UPS) provides a dependable backup power to the protective relay (s) in the event the primary power source is lost. The UPS was specifically designed for use with the ABB Distribution Unit (DPU) and the ABB Integrated Microprocessor Protective Relay System (IMPRS) relays.

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.

How do uninterruptible power supplies (UPS) mitigate voltage sags?

Uninterruptible power supplies (UPS) mitigate voltage sags by supplying the load using stored energy. Upon detection of a voltage sag, the load is transferred from the mains supply to the UPS.

What are the requirements for power supplies and ups in critical infrastructures?

Specific requirements for power supplies and UPS systems in critical infrastructures concern reliability, robustness, and security: UPS systems ensure an uninterrupted power supply during power outages and enable an orderly shutdown of systems during prolonged outages.



## Uninterruptible power supply for substations

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