

# Uninterruptible power supply PLC





## Overview

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What are uninterruptible power supplies (UPS)?

Uninterruptible Power Supplies (UPS) come into play as a safeguard against power disruptions that could compromise the functionality and reliability of PLCs. What Is a PLC?

A Programmable Logic Controller (PLC) is an industrial computer specifically designed for controlling and automating manufacturing processes.

What is a ups in a PLC?

A UPS ensures continuous operation of PLCs by providing a seamless transition to backup power during power outages or disturbances. The UPS can be used for two purposes. Feeding the power supply of the PLC or feeding the power supply for the control circuits that are wired to the I/O cards of the PLC.

What is a dual UPS (uninterruptible power supply)?

To enhance power reliability, dual UPS (Uninterruptible Power Supply) configurations are commonly deployed. However, one key engineering decision is whether to operate these UPS systems in split (independent) mode or parallel (synchronized) mode.

Why are uninterruptable power supplies important?

In times of increasing relevance of decentral power supplies and decreasing reliability of the power supply networks, uninterruptable power supplies (UPS) become more and more important.



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### Uninterruptable Power Supply Solutions , Analog Devices

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### Dual UPS Power Supply in Instrumentation Systems: Split ...

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### Ensuring PLC Reliability in the Face of Power Problems

This article explores the impact of power problems on PLC reliability, the design and function of PLC switch mode power supplies, and the role of Uninterruptible Power Supply (UPS) ...

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### Uninterruptible Power Supplies Technical Documentation

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