

The function of UPS host and battery cabinet





Overview

What is an UPS system & why is it important?

Modern operations are dependent on reliable power, and UPS (Uninterruptible Power Supply) systems are essential in protecting critical infrastructure. These technologies stop equipment damage and downtime in a hospital, data center, or industrial facility by providing backup power during outages.

What is an uninterruptible power system (UPS)?

Uninterruptible power system (UPS) (1) An electrical system designed to provide instant, transient-free backup power during power failure or fault. Some UPSs also filter and/or regulate utility power (line conditioning). (2) A Device whose sole purpose is to save your equipment, your data and your job. User replaceable.

What makes a data center a good backup power provider?

Providing clean, quality uninterrupted power means having properly installed, monitored and managed batteries. A UPS is the heart of a data center's backup power, and a single battery cell within a UPS battery string can create a risk of downtime for data center operations. "Battery failures are too often the cause of UPS failures.

Which battery is best for a data center UPS?

It is important to focus on two main form factors: Lead-acid batteries have been until recently the preferred method of energy storage for UPS systems in about 95% of all data center applications. Lithium battery technology has been an increasingly popular alternative in data center UPS applications in recent times.



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UNDERSTANDING UPS SYSTEMS AND BATTERIES

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