

# Uninterruptible power supply distance between base station rooms

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Where should your uninterruptible power supply be located?

Your uninterruptible power supply (UPS) must be positioned somewhere safe, secure and accessible. In this article, we explore the fundamentals of UPS room layout and the things you need to consider when deciding where to locate your essential power protection systems.

What is uninterruptible power supply (UPS)?

For instance, when designing server rooms, they require uninterruptible power supply (UPS) systems that deliver complete power protection for critical IT applications. These components must also be able to accommodate growth and expansion while maintaining cost-effective performance.

What happens to a power supply during a storm?

During winds, cyclones and storms, the entire distribution system including poles, and conductors collapse taking long time to restore the power supply. The indoor substations work at much lower ambient, say at 28 Degree C, when the outside temperature may be above 40 degree C.

Do I need a centralized DG backup to supply 11 kV DG power?

It is not recommended to have a centralized DG Backup to supply 11 KV DG Power to the distribution substations. This will not allow for segregation of essential and non-essential supply. Also in case of any fault in 11 KV feeder cable the whole campus will have no DG Backup.

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In order to provide for adequate ventilation, the UPS should be installed in a room, which has at least 1000mm of clearance on the top side or the rear side of the UPS based on the ventilation ...

Can the UPS be serviced or replaced without disruption to your comms room? Are entrance doors wide enough to facilitate the installation or replacement of the UPS?

Learn how to install a UPS correctly. From choosing the right location to compliance with UK regulations, get

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expert installation and setup guidance.

In larger environments, a dedicated power room or network closet may be ideal. In smaller setups, under-desk or wall-mounted units can be used, provided airflow is not obstructed.

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