

SolarTech Power Solutions

National policy on the construction of uninterrupted power supply for communication base stations



Overview

What is an uninterruptible power supply?

An uninterruptible power supply is a device that has the ability to convert and control direct current (DC) energy to alternating current (AC) energy . UPS is a battery backup for PC, when the power goes off the UPS kicks in and continues to supply power for some period of time to the particular system.

What is an uninterrupted power supply (UPS)?

The human desire to have a steady power supply for domestic and industrial purposes gave rise to an uninterrupted Power supply (UPS). Globally, the need and demand for computers, electronics, and other electrical devices are on the rise. These types of equipment required quality, high stability, and uninterrupted power supply.

What is a dynamic uninterruptible power supply (Dups)?

For larger power units, Dynamic uninterruptible power supply (DUPS) are sometimes used, a synchronous motor/alternator is connected on the mains via a choke. Energy is stored in a flywheel, when the mains supply fails; an eddy-current regulation maintains the power on the load as long as the flywheels energy is not exhausted.

Why is a clean power supply important?

a clean, stable interruption free power supply is of utmost importance, of the myriad of devices, processes and systems which rely on AC power, computers are probably the most sensitive to power disturbances and failures.

How many units are there in a power system?

CHIMEZIE GRACE ODIRICHUKWU. The project adopted the research and development design approach. The system was made up of 4 units, these are, the rectifier/charger, the battery, the inverter and the switch units.

What happens if a power supply fails?

Interruptions in power supply may cause the contents of the memory to be lost or corrupted, the entire system to malfunction or fail, or even variety of component's failures to occur, all of which not only results in inconveniences but also loss of money. Why UPS?

There is rising pressing need for a continuous quality power supply.

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Mr. Guo-qing LI Professor Senior Engineer China ...

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