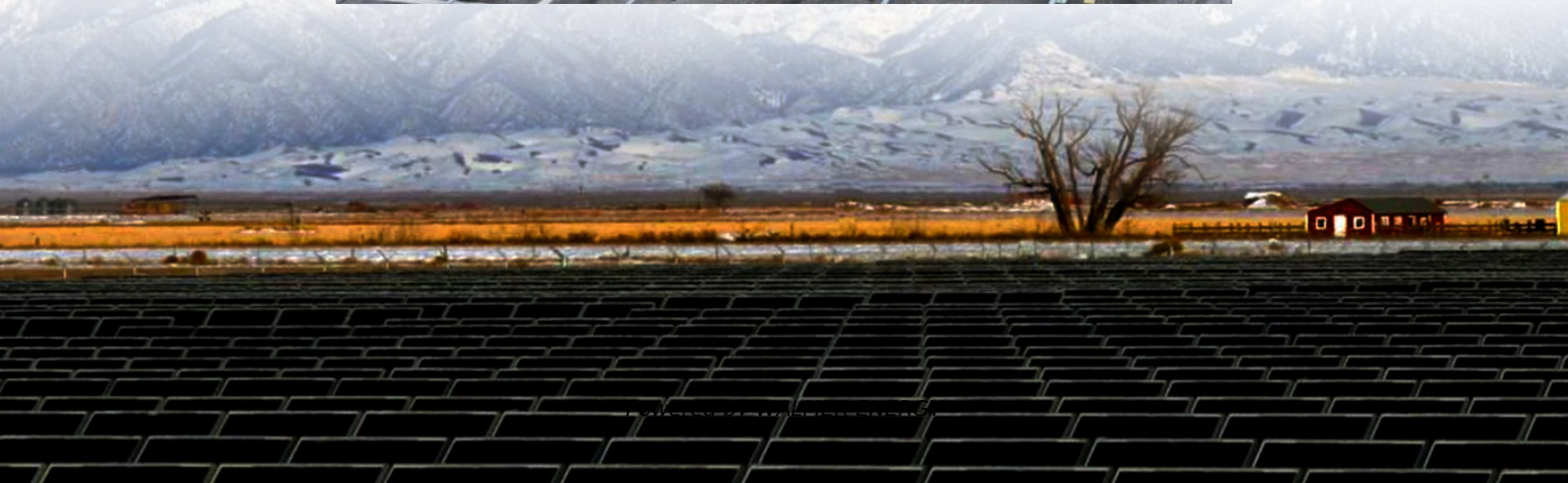


Design of low power uninterruptible power supply UPS





Overview

What is an uninterruptible power supply (UPS)?

The human desire to have a steady power supply for domestic and industrial purposes gave rise to an uninterruptible 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 an uninterruptible power supply?

An uninterruptible power supply, commonly called a UPS is a device that has the ability to convert and control direct current (DC) energy to alternating current (AC) energy. It uses a conventional battery of 12V rating as the input source and by the action of the inverter circuitry; it produces an alternating voltage which is sent to the load.

What is a single-phase online uninterruptible power supply (UPS)?

Our integrated circuits and reference designs for single-phase online uninterruptible power supply (UPS) help you design reliable and robust hardware with very low input and output total harmonic distortion (THD) and increased efficiency. Modern single-phase online UPS designs often require:.

Why do we need an uninterruptible power supply for personal computer (PC)?

The design of this uninterruptible power supply (UPS) for personal computer (PC) is necessitated due to a need for enhanced portability in the design of personal computer desktop workstations.



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Uninterruptible Power Supply UPS Design Notes

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Uninterruptible power supply design resources , TI

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