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Uninterruptible power supply- a boon by Julia Roger

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The advent of mass production with the help of machines was instrumental in the march of industrialization all over the world. This was made possible with the refined use of electricity in powering these machines. This led to the concept of uninterrupted power supply to power these machines continuously, irrespective of the status of actual mains supply, resulting in greater mass production in the same amount of time.

Nowadays uninterruptible power supply is a term that is familiar to even a school going kid in a developed or developing country, as its utility and use has gone beyond the clutches of industry only and has entered the realm of a common manâ€™s home. With the advent of cheap technology to produce and supply electronic goods, and the capacity of the common man to purchase these goods, especially the personal computer, the uninterruptible power supply units with their inbuilt or associated battery installations, are a common feature at homes. The personal computer is gradually turning into a necessity from a luxury item, and the amount of personal and official data stored in it and the vital functions performed with it, make it a perfect candidate to receive uninterrupted power supply and to protect from power outages..

The uninterruptible power supply units, albeit gigantic sized, are also used in industrial installations, like to protect data centers, sophisticated costly IT equipments, high end medical equipments in hospitals and nursing homes, computer installations in banks for safe transactions etc. These units are used in redundant mode in these fields, so that failure in one unit is complemented by the other unit and vice versa. These units ensure business continuity and high availability of data, secure financial transactions as also continuity of life saving services provided by medical equipments in hospitals where uninterrupted power supply can be the difference between life and death.

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