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Power shortage is a very common problem in our country and most of our work gets interrupted due to sudden power cut and voltage fluctuation. It is being assumed that India might face over 10% of power shortage this year due to environmental issues. But due to the development there is a huge requirement of power. But the availability of electricity is low and this cause serious problem in some of the critical sectors that highly depends on the electricity. With the passage of time we found that new technologies are evolving. Sophisticated and expensive electrical devices are frequently used in our day to day activities. These expensive devices if gets damage you need to hire expert technicians to repair them. In order to prevent such situation it is important that you take the required precaution.

There are different devices that are perfect through which you can protect your devices from voltage fluctuation and power shortage:

Online UPS- It is mainly used for mission critical situation and sectors like hospitals, server farms etc. It will help you to avoid momentary power lapse as you can generate continuous power with the use of the inverter. It is also known as Double conversion online UPS. It is widely used among various organizations and for home.

Servo Stabilizer- It transfers the power from output voltage through the sensing transformer. The control circuit generally operates the motor whenever the output voltage fluctuates from its original voltage. It is also a good source of power supply when there is fluctuation and you might fear that your appliances might get damage.

Voltage stabilizers- It actually checks the voltage that is being supplied to specific equipment. The main purpose of the stabilizer is to adjust for variations and maintain constant voltage level to the equipment. In case you want to obtain a stable power supply, voltage regulator and stabilizers are used in combination with filters.

Solar inverters- It is a device that utilizes sunlight and convert it into solar energy. You can consider this as an eco-friendly mode of generating power while power shortage. It is an essential part of a solar generator.

There are different power problems that we face in our day-to-day life and it becomes impossible to deal with the situation. Power failure, power surge, over voltage, under voltage, frequency variation and many more and all these can cause huge damage to your household appliances.

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Abhilasha Roy has written this article on behalf of Makson Engineers. This is a a [company](#) which focus on providing the highest quality products at super affordable prices so that itâ€™s customers can get maximum customer satisfaction .

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