

# Power Saver

You can safely call this as knowledge management but I call it power management because it is knowledge put into power . And I always love to share good things with good people. OK here it is.

Since last two months I've been using a power saver (Some sort of auto capacitor ) for my home reliance energy line. My monthly electricity bill has come down by 20% (for the first time it is below Rs:700 ! And 181 KWH .the normal value is +220 KWH ).

For a domestic consumer our electricity bill depends on the RMS (Root Mean Square ) value of current.

$\text{RMS value of Current} * \text{Voltage} * \text{Hour} = \text{Is the Energy which the REL takes from you apart from many other taxes.}$

This RMS value of the current always becomes slightly more (than actually it requires ) when there is a coil put into the line (Your refrigerator , AC, washing machine , fans ,tube light choke , vacuum cleaner , Mixer cum grinder all contain coils ). Remember your electric heater , microwave oven , incandescent bulbs, CFL do not fall under those mischievous group of equipments as you will not find any coil in them.

Also If a line becomes old (Which is definitely true for our township lines ) it creates some sort of coil in action and the RMS value of the current increases.

The power saver is a capacitor which puts those wasteful behaviors under control and the RMS value of the current comes down to the level of actual requirement. As a result you have a big smile when you see the REL bill at the end of month.

The power saver comes in 3 pin package. Just put it any 3 pin plug and switch it on. It is on it's way.... As a check please measure the current through a tongue tester before and after

switching it on (Call me , I always help good people ...)

Although it is recommended to use it near the big load (like your Fridge , AC etc). I use it near the fridge. (See the picture )

The power saver package comes for Rs:1100 to 1600. If you have Bargain power you can get a great deal. I'm very poor in that area. I got it for Rs:1600

I just imagine how much KWH we can save had it been used in all the households here in Mumbai.

Thanks and Bye

Yours  
S. Bera

