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How does it work?

The *Smart Tech* Energy Saver Unit reduces the amount of power drawn from the utility by storing (in its capacitors) otherwise lost and wasted electricity (watts) caused by the inductive appliances in your home or business. (Some examples of inductive motors are Air Conditioning units, refrigerators, freezers, washers, dryers, dishwashers, pool pumps, vacuum cleaners, furnace blower motors, fans etc.) The technology applied by the Energy Saver feeds that stored electricity back to your inductive loads, thus causing you to decrease your demand from the utility. If you decrease your demand from the utility, you use less electricity.

The Energy Saver controls and actively improves the power factor of your personal and professional devices.



Role of the Energy Saver

The role of the Smart Tech Energy Saver is to reduce and to stabilize the Electricity used. A smart technology optimizes the voltage and the current according to the demand in order to reduce the power consumed (kWh) The Energy Saver stores the surplus of electricity during the peaks and re-delivers it as needed. Thus by limiting the unused losses, the quantity of electricity supplied and billed for your installation is decreased!

Our field testing for a typical home consistently show that the Smart Tech Energy Savers save 3 to 7 KW per day, based on electrical consumption of 30 KW per day. The amount of savings depends on a few factors, such as the types of electrical appliances, the time they are in use and the location. Where voltage supply is particularly unstable, the Energy Savers can reduce consumption by as much as 35%.