

## GREENENERGY



### SERVICES

## Power Optimization System

Green Energy Services Power Optimization System (*POS*) is helping commercial, educational, retail, office, and multi-family customers implement cost-effective, high performance technology solutions for energy management. Our *POS* is an out of the box solution that can easily be deployed without interruption to daily operations. No other energy solution will lower your energy bill as much as our *POS*, all while reducing energy consumption, and providing you with a cost-effective, no hassle solution.

### How It Works

We utilize a proprietary state-of-the-art semiconductor technology paired with cutting-edge industry approved delivery systems to impart a real and sustainable change. The *POS* is the first system to impart actual and cumulative improvements on both the current and the circuits which deliver power to the desired load.

At the core of the *POS* energy saving technology is a proprietary semiconductor chip. This chip utilizes specific wavelengths of infrared light to stabilize the vibration state of "spinning" electrons.

Stabilizing the electrons, which form electric current actually reduces the heat-emitting and power-robbing collisions that normally occur as the electric current moves from the source to the desired load. Reducing these collisions creates a more efficient electric current.

The *POS* works to reduce heat and electrical vibration by stabilizing the current and training the electrons to flow more efficiently. The result is a lengthening of the electric wave and a narrowing of the flow along the center path of the conductor. A more efficient current meeting less resistance along the path of the conductor gets more of the purchased power directly to the workload.



### Solution Characteristics

- Reduces your total kWh used while still supplying the correct voltage to the specific workloads.
- Lowers your energy consumption an average of 8% - 25% a month.
- Allows your electrical systems operate as efficiently and safely as possible.
- Filters out unwanted line noise.

### Energy Savings

*POS* is helping a wide variety of facilities reduce their energy consumption, by deploying a cost effective retrofit solution designed specifically for old and new facilities.

Typically a 8-25% energy savings with paybacks less than 24 months can be realized using *POS* depending on utility rates and type of facility.

With the *POS* your actual energy consumption goes down. So not only are you saving money on energy costs, but you actually save electrical energy. Make a positive impact on your utility bill and your environment.