

# Vical Energy Consultants, Inc.

## SP1000 - Energy Efficiency Unit

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MORE THAN POWER CORRECTION!! It reduces kWh as well as KVAR. The SP1000 is a patented hardware and software based system installed as a Closed-Loop Network to sub-panels and direct loads. Custom Made for Commercial Applications.

1. Specifically monitors, records and analyzes (up to 120 decisions per second) a building's power utilization (volts, watts, amps, current KVAR, power factor, total harmonic distortion)
2. Corrects voltage lag
3. Increases power factor
4. Reduces total harmonic distortion (THD)
5. Reduces amperage imbalance over the 3 phases
6. Reduces kWh
7. Provides a Real-Time Dashboard



The SP1000 will on average save you up to 18% or more depending on your electric systems in your facilities. The additional benefits are an increase in the life of equipment and data management through the Real-Time Dashboard. The SP1000 reduces your monthly electricity bill.

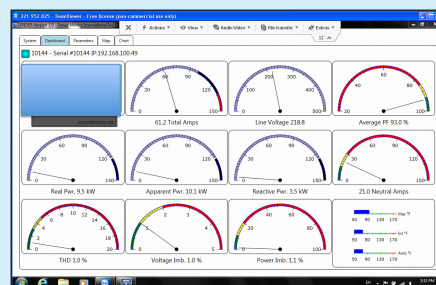
### TECHNICAL SPECIFICATIONS

- Frequency 50-60 Hertz
- Weight: 30 lbs (208V); 50 lbs (480V)
- KVAR Performance Range:
  - 0-3.2 KVAR per phase (208V)
  - 0-10 KVAR per phase (480V)
- Protected: 10,000 AFC per UL-810
- UL Listed NEMA-1 Enclosure

### BENEFITS

- Increases Power Factor to above 95%
- Reduces Demand Charges
- Reduces Harmonics
- Extends Life-Cycle of Equipment
- Monitors, Records & Analyzes all electrical activity
- Real-time dashboard
- ROI: 18 to 36 Months

### SPIDER DASHBOARD



### TYPICAL APPLICATIONS

- Grocery
- Hospitals
- Restaurants
- Manufacturing
- Hospitality
- Industrial
- Public Use Facilities

