

OHM ENERGY GUARDIAN

SAVINGS ON BILLS

As voltage is increased and stabilized, amp loads decrease, reducing peak demand. Energy previously lost to neutral or ground is captured and recycled back through the facility, reducing energy costs.

INCREASED EQUIPMENT LIFE

Motors and components are now able to operate at optimum rpm with reduced heat and without voltage spikes or drops.

REDUCED MAINTENANCE COSTS

As a result of the more efficient conditioned power, equipment runs under less strain, thus reducing heat by 30% to 40%.

Costs associated with replacement of motors, compressors and ballasts are reduced, along with reduced downtime.



Components of the OHM ENERGY GUARDIAN



POWERHOUSE



CAPACITORS



ENERGY MANAGER

The **OHM ENERGY GUARDIAN** power conditioning and efficiency system is unique, patented technology that is unparalleled in energy conservation.

Manufactured in the USA with UL Listed components backed by a 5 year parts and service warranty, the **OHM ENERGY GUARDIAN** generates real bottom-line savings through:

- Reduced kW consumption
- Capturing lost voltage
- Reducing peak load charges
- Increased equipment lifespan
- Decreased maintenance costs

The **OHM ENERGY GUARDIAN** has a proven track record of energy savings and increased equipment efficiency. Independent studies by GE, Applied Research Laboratories, energy management firms and large-scale installations validate these results.

Studies are available on our website, www.ohmenergytech.com

HOW IT WORKS

The electric power grid is affected by external factors that can deteriorate the quality of power delivered to the end-user's panel. The **OHM ENERGY GUARDIAN** solves these problems by:

- Balancing all voltage phases, with no voltage drop when equipment starts up
- Reducing peak demand loads
- Reducing amp loads and reactive power (kVAr)
- Providing facility-wide surge protection
- Reducing equipment vibration, noise and heat
- Matching kW demand via computer-controlled capacitance switching
- Recycling kVAr within the facility via patented technology.



Ohm Energy Technologies Inc.
www.ohmenergytech.com

OHM ENERGY GUARDIAN



These advanced systems are customized to each facility, based on data collected from power log equipment prior to manufacturing. Once installed, the Variable-Capacitance system works automatically to adjust to the load, from minimum to peak, throughout the days and seasons.

Facility Engineers and Power Managers can log in to the Power Manager via secure internet, to view real-time operations and make system adjustments if needed. If the facility adds equipment, the Variable-Capacitance system can expand to accommodate the increased load.

The **OHM ENERGY GUARDIAN** is designed to last 20+ years. It provides a rapid return on investment through electricity bill savings and reduced equipment losses, plus maintenance-free operation for decades. This makes the OHM ENERGY GUARDIAN the best investment for your business.

Contact Ohm Energy Technologies, Inc. today, to schedule an evaluation of how the **OHM ENERGY GUARDIAN** can serve your facility. We build systems to work in 50 Hz and 60 Hz environments, from single-phase to three-phase, and from small commercial to large industrial settings.

7 story
government
building in
Wailuku, HI



46 story
condominium
building in
Honolulu, HI



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