

EasiLiner™ Reactive Power Correction



Motorized pieces of equipment are historically inefficient users of electricity contributing to unnecessarily high electrical bills and maintenance costs. Much of the reactive current demanded by lightly loaded motorized equipment is converted to heat throughout a facility's electrical distribution system and can eventually result in equipment damage, repair and replacement costs, and lost production time.

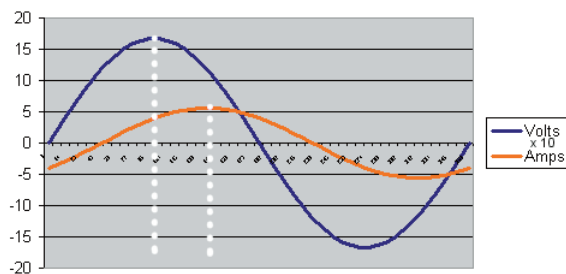
A pioneer in the energy technology industry since 1978, Energy Automation Systems, Inc. (EASI) has the solution. The EasiLiner provides all of the benefits of reactive power correction, with none of the risks associated with traditional correction methods. The EasiLiner increases the efficiency of a facility's power system, which translates into increased motor functionality marked by a definite reduction in current. This reduced current draw equates to a reduction in kilowatt distribution losses in a facility.

The EasiLiner significantly improves the efficiency of electric motors and reduces electrical energy costs. Even more importantly, the EasiLiner reduces the damaging effects of heat that threaten the life span of internal components and expensive motorized systems.

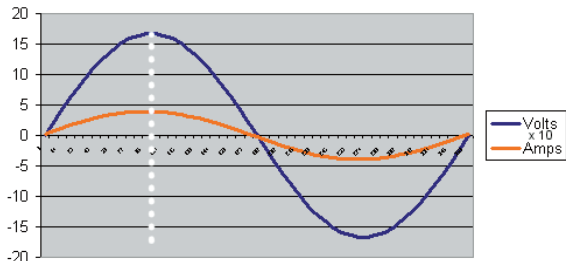


EasiLiner™

Reactive Power Correction



Uncorrected - Current and voltage not aligned



Corrected - Current and aligned plus current reduced

In many facilities, distribution losses are a significant contributor to higher energy and maintenance costs. The EasiLiner reduces these losses by canceling the reactive current demanded by inductive loads such as motors and transformers. By treating these loads with EasiLiner technology, a facility's electrical distribution system becomes more efficient, equipment runs better and lasts longer and operating costs are reduced.

Unlike simple power factor correction capacitors, the EasiLiner never causes dangerous switching voltage transients in an electrical system. With its unique input reactor module, EASI's reactive current correction system fully discharges all stored power within 0.3 to 3 seconds from the time connected voltage is removed. As with all EASI power technologies, the EasiLiner has no negative side effects and will not harm an electrical system. The EasiLiner's components are constructed of self-healing film, containing an inert gas mix of nitrogen and helium – no oils. The EasiLiner introduces no flammable or environmentally unsafe elements into a facility.

Features and Benefits:

- Extends the life of motors and other inductive equipment**
- Improves voltage**
- Increases electrical capacity**
- Reduces KWh consumption and demand**
- Improves facility power factor**
- Helps reduce or eliminate power factor penalties charged by electric utilities**
- Models available for wide range of motor sizes in both 50 or 60 Hz**
- Standard models are NEMA 3R compliant and are suitable for indoor/outdoor installation**
- Optional configurations include NEMA 4X, NEMA 12 and Explosion Proof**
- Voltage ranges from 100V – 6.7KV**

