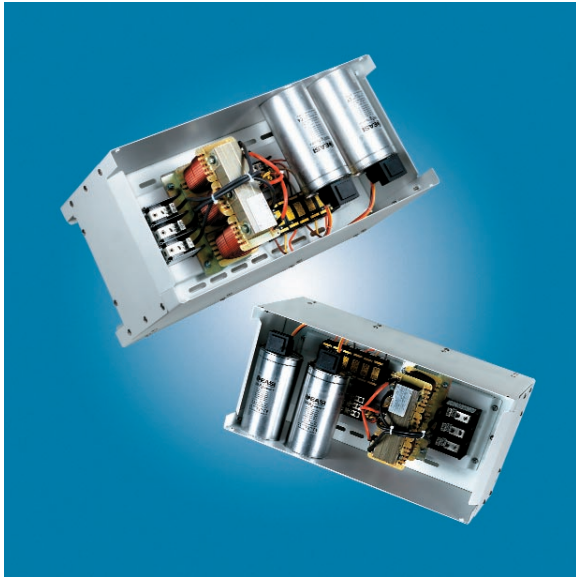


PowerLiner™

Harmonic Power Correction System



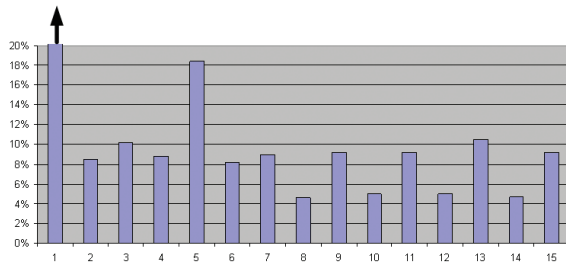
Advances in technology and equipment continue to reshape how electricity is consumed in today's business facilities. The continual development and introduction of more nonlinear electrical equipment has resulted in higher energy costs and the introduction of higher harmonics levels that contribute to energy waste. With more AC to DC conversion equipment, variable frequency drives (VFD), DC drives, rectified DC power systems, welders, robotics and arc lighting, harmonic current has become a more predominant and troublesome factor in modern electrical demand.

Energy Automation Systems, Inc. (EASI) has the solution. A pioneer in the energy technology industry since 1978, EASI's PowerLiner meets the growing need to reduce the costs associated with nonlinear electrical equipment. By canceling a portion of the harmonic power normally drawn by such loads, the PowerLiner reduces kilowatt-hour consumption and alleviates many of the problems associated with harmful harmonics within a facility.

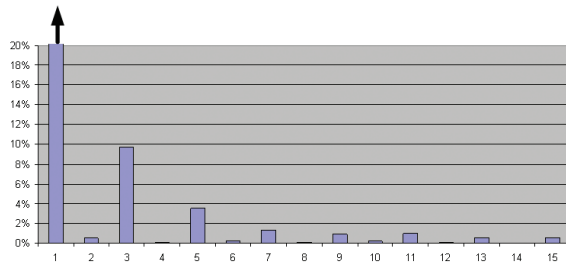


PowerLiner™

Harmonic Power Correction System



THD Before Treatment



THD After Treatment

The PowerLiner reduces the harmonic energy normally created by nonlinear electrical equipment by canceling a substantial portion of the fifth harmonic current supplied to the loads. The results are a reduction in heat generated inside equipment, a more efficient electrical distribution system with increased capacity and a direct kilowatt-hour reduction translating into energy cost savings.

Model Specifications

EASI manufactures a complete range of low voltage three phase PowerLiners in a stepped standard model range from 1.3KVAR to 30KVAR. The four lines are 200-240 volt, 380-440 volt, 440-480 volt and 600 volt, with specific models in each line built for 50HZ and 60HZ applications. KVAR requirements above 30KVAR can be met by installing multiple units in parallel

Features and Benefits:

Reduced down time

Extends the life of motors and other sensitive equipment

Reduces harmonic problems

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 3 compliant and are suitable for indoor/outdoor installation

Optional configurations include NEMA 4X, NEMA 12 and Explosion Proof

Voltage ranges from 200V – 6.7KV

