

# PowerwoR<sub>x</sub><sup>TM</sup> Power Conditioning Systems

## Today's Electrical System Costly Characteristics

Today's electrical systems have three costly characteristics that cost electrical end users money and damage their electrical equipment:

**\* Poor Power Factor**

**\*Harmonic Interference (Distortion)**

**\* Transient Surges and Spikes**

- **Poor Power Factor is caused by inductive loads such as electric motors, transformers and high-intensity discharge lighting that increases the amount of energy required by your electrical equipment to do its job creating heat that reduces the useful life of electrical equipment.**
- **Harmonic Interference is caused by non-linear loads such as computers, fax machines, copy machines and variable frequency drives that create heat that increases energy usage and damages electrical equipment causing increased repair, maintenance and replacement costs.**
- **Transient surges and spikes are caused by turning electrical equipment on and off, lightning, utility grid changes and back-up power supplies that attack electrical equipment causing increased repair, maintenance and replacement costs.**

## PowerwoR<sub>x</sub><sup>TM</sup> “What Does It Do and How Does It Do It”

≈ PowerwoR<sub>x</sub><sup>TM</sup> with its modular capacitance improves power factor making your motor load run cooler and more efficient *reducing energy consumption* and extending the useful life of your motor load.

≈ PowerwoR<sub>x</sub><sup>TM</sup> with its harmonic filtration, PowerwoR<sub>x</sub><sup>TM</sup> mitigates harmonic distortion recycling waste energy and *reducing energy consumption* that extends the useful life of electrical equipment.

≈ And finally, PowerwoR<sub>x</sub><sup>TM</sup> with its industrial grade metal oxide varistors (MOV's), PowerwoR<sub>x</sub><sup>TM</sup> protects electrical equipment from transient surges and spikes.

This unique combination of technologies eliminates today's electrical systems costly characteristics saving customers bottom line dollars in energy savings and reduced electrical equipment repair, maintenance and replacement costs.

PowerwoR<sub>x</sub><sup>TM</sup> connects in parallel with your electrical system and will not effect the operation of your electrical system if by chance it would sacrifice itself due to a massive surge or spike generally caused by lightning.

PowerwoR<sub>x</sub><sup>TM</sup> is maintenance free and has a ten (10) year manufactures warranty.