

Dyna Power Unit Technical Overview

The Dyna Power Unit improves the electrical system in any facility. It is an energy saving and power conditioning device that cuts electric usage and protects sensitive systems from dangerous disruptions on the electrical grid.

Our unit is solid state technology that saves energy by cleaning the electrical supply. This lets all equipment operate at peak efficiency. With clean power any machine runs easier and cooler. Many things can cause disruptions to the electric grid. The Dyna Power Unit is designed to correct for these disruptions. By doing so it allows all other equipment to run more smoothly. This adds to the energy efficiency for the system.

Any electrical equipment struggles to run properly when the electrical supply is compromised. All machines expect to see clean power. When they do not, extra effort is expended to correct instead of just doing its job. With smooth electricity provided by the Dyna Power Unit, the electrical device can just do its intended job. This results in less wasted energy.

The Dyna Power device uses very little energy itself. During periods when the voltage is high this unit stores the excess energy. Then when the voltage supply is low the Dyna Power Unit returns the unused energy to the system. This smooths out the utility grid and makes it easier for all the other products connected to the line.

Beyond just small perturbations on the electric line, large events are common. These come from many sources, such as, lightning strikes, trees contacting lines, equipment failure or large equipment turning off or on. These large faults are very dangerous to all electrical equipment. **The Dyna Power Unit is an enhanced version of a patented Basic Power Unit.** It is designed to protect other machines connected to the electric grid. The Dyna Power Unit blocks these dangerous voltages and currents from getting to the rest of the equipment connected to the line. This helps prevent equipment failure resulting in less maintenance and interruptions of equipment availability.

The Basic Power Unit has already been deployed successfully on multiple government facilities. This has already resulted in reduced electric costs and improved operating efficiencies. By improving operation of the device, better results should be seen.

Improving operation of the electrical system creates many benefits. Reduced energy costs allow available funds to be repurposed for other uses. Less equipment failures mean increased uptime for all systems. Less maintenance means extra attention can be made to other necessary equipment. This results in increased operational readiness of any installation.

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