

One-Cycle Control, Inc.

The Art of Power Processing

February 20, 2012

Have Harmonic or Power Factor problems? OCC-Active Power Filter is the solution.

The state-of-the-art OCC-APF leverages technology invented at Caltech & UC Irvine and developed under the California Energy Commission and California Institute for Energy & Environment. The OCC-APF is the first hardware-enabled 3-phase Active Power Filter with high reliability, extremely fast dynamics, and simple user interface, enabling harmonics cancellation and power factor correction in real-time. Harmonics can cause equipment

overheating, circuit-breaker nuisance trips, transformer damage, and voltage distortion. Poor power factor can result in costly utility penalties or force expensive upgrades to facility transformers and wiring. The OCC-APF reduces harmonics to < 5% and improves



power factor to > 0.99, thus eliminates problems caused by harmonic-pollution and frees up capacity on the facility transformer, protection equipment and wiring. Essential to resolving the power-quality problems faced by modern facilities, the OCC-APF is designed for long-life, features high efficiency, and has a simple user interface. With industry leading compact size (~1.2 ft³) & weight (~63 lbs), the 40kVA OCC-APF is easy to wall mount or rack mount and is scalable to higher power by sliding multiple units into a standard 19" rack. The 50 Amp OCC-APF with a voltage rating of 480V, 415V, and 380V is ETL listed, made in California, and available for immediate sale. For more information and to discuss your particular needs, contact One-Cycle Control (sales@onecyclecontrol.com).