



FOR IMMEDIATE RELEASE:

**CogniPower Predictive Energy Balancing Control of Flyback Converters -  
Evaluation Board Available Now**

Malvern PA – November 4, 2011: Evaluation boards for CogniPower Predictive Energy Balancing Control of flyback converters are now available. The dynamic response displayed is near ideal, and the power output is harmonically pure. The need to make trade-offs between stability and agility is eliminated. This power converter has both intrinsic stability and excellent transient response. It responds to load changes in a single cycle without overshoot or undershoot or compensation. This patented technology was first made public in a seminar at APEC 2011 in Forth Worth, TX.

According to Thomas Lawson, Founder and President, "The additional circuitry required to achieve this dramatic improvement in responsiveness amounts to half a dozen transistors and a few resistors. The technology can be folded into generalized power management chips without adding significant cost or complexity."

For the evaluation boards, the input voltage is a AA battery. The output is 5VDC. Circuitry to generate a dynamic load is included to exercise the system. Full operation and smooth start-up are guaranteed down to 1.1 volts on the battery. The evaluation board can be used, for example, to generate an extremely well-regulated 5 volt supply in a system lacking quiet power supplies.

To order an evaluation system, call (215) 817-2269 to discuss your specific application and how CogniPower's power conversion technology can address your current and future needs.

**CogniPower** is committed to building better, more efficient power products by re-examining accepted wisdom regarding power converters in the light of new control technology, improved components, new semiconductor process technologies, and changing economics driven by energy cost and availability.

Our robust and growing patent portfolio will be the basis for fundamental improvements in how effectively and efficiently power is transformed and used, in other words, "**power smarter**."

For further information about CogniPower and its products, please go to [www.cognipower.com](http://www.cognipower.com) or call 215-817-2269

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