



**EMERSON NETWORK POWER LAUNCHES HIGH EFFICIENCY  
50 WATT AND 100 WATT EXTERNAL AC-DC POWER ADAPTERS**

*50 watt models also available with medical safety approvals*

**CARLSBAD, Calif. — January 9, 2008** — Emerson Network Power, a business of Emerson (NYSE: EMR) and the global leader in enabling Business Critical Continuity™, today launched two new series of high efficiency external ac-dc power adapters. These latest additions to the company's rapidly-expanding portfolio of Astec ac-dc power adapters produce fully regulated outputs, and feature a universal 90-264 Vac input, enabling them to be used anywhere in the world. The new 50 watt AD50 series power adapters produce a single 12 V output and can deliver up to 4.16 A continuously, while the new 100 watt AD100 series models produce a single 48 V output and can deliver up to 2.08 A continuously.

Astec AD50 and AD100 series freestanding ac-dc power adapters provide a very flexible, pre-approved power solution for a wide variety of portable and desktop applications, including instrumentation, telecommunications, computer peripheral and test and measurement systems. The AD50 series adapters are also available with medical safety approvals for non-patient contact and non-patient critical use in low power medical, dental and laboratory applications.

All Astec AD50 and AD100 series ac-dc power adapters are high efficiency switch-mode designs that comply with the One Watt Input Energy Star/Blue Angel requirement. The AD50 series have a typical power conversion efficiency of 80%, while the AD100 series offer an even higher figure of 90%. The AD50 series adapters are available with a choice of a 3-pin (type C6) or 2-pin (type C8) IEC320 ac input receptacle, to accommodate customers' desired configuration of line cord. The 3-pin versions of the adapters have a safety-ground leakage

current of 300  $\mu$ A maximum, while the 2-pin versions offer an even lower figure of just 100  $\mu$ A. The adapters' dc output is provided via a cable fitted with a standard 2.5 mm I.D, 5.5 mm O.D. barrel plug.

AD50 series power adapters have a full load ambient operating temperature range of 5°C to +40°C without de-rating, while the AD100 series offers a slightly wider operating range of 0°C to +40°C. All the adapters are comprehensively protected against overvoltage and overpower conditions, with automatic recovery, and have a high demonstrated MTBF of 300,000 hours at full load and 25°C ambient. They all comply with the rigorous EN55022-B and FCC part 15 Level B EMC standards for conducted noise and meet all applicable immunity standards, including EN61000-4-2, -3, -4, -5, -6, -8 and -11 levels 3. The power adapters also carry a comprehensive set of safety approvals, including UL/CSA 60950-1, VDE/CB EN60950-1 and CE Mark. The medical versions of the AD50 have the following certifications: UL/CSA60601-1, VDE EN60601-1 and CE Mark LVD.

Astec AD50 and AD100 series external power adapters are available for immediate delivery. Standard lead-time for both series is stock to 8 weeks.

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### **About Emerson Network Power**

Emerson Network Power, a business of Emerson (NYSE:EMR), is the global leader in enabling Business Critical Continuity™, providing a full spectrum of reliable power, connectivity and precision cooling solutions for computer, communications, healthcare and industrial systems, backed by the largest global services organization in the power industry. Recognized brands within the Emerson Network Power family include Liebert, ASCO, Astec, Artesyn, and Lorain. For more information on power supplies visit [www.powerconversion.com](http://www.powerconversion.com). For more information on the full range of technology solutions from Emerson Network Power, visit [www.EmersonNetworkPower.com](http://www.EmersonNetworkPower.com).



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