



For immediate release

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New 48 V Model Extends Emerson Network Power LCC250 Sealed Enclosure 250 Watt Power Supply Series

Ideal for sealed box or no airflow applications such as medical desktops, clean room applications; can provide full power to 85 degrees Celsius

Anaheim, Calif. [14 February, 2012] – At the Medical Design & Manufacturing (MD&M) West Exposition, Emerson Network Power, a business of Emerson (NYSE:EMR) and the global leader in enabling Business-Critical Continuity™, today expanded its LCC250 series of 250 Watt sealed fanless ac-dc power supplies with the addition of a new 48 Vdc model. With approval to the international EN60601-1 safety standard for medical electrical equipment, LCC250 power supplies are ideal for a wide range of sealed box and desktop healthcare applications, where the absence of cooling fans can help minimize dust and noise. These power supplies are high efficiency designs, typically achieving 91 percent at full load.

The LCC250 power supply series includes conduction-cooled models providing full useable power at elevated temperatures. Unlike many power supplies on the market, which typically require output derating above approximately 55 degrees Celsius, Emerson Network Power LCC250 supplies fed from a nominal 115 Vac input are capable of maintaining their full 250 W load capacity up to their maximum baseplate temperature of 85 degrees Celsius. This makes them especially cost-effective for users who would otherwise need to budget for larger or additional power supplies.

A robust fully-sealed enclosure provides the LCC250 series with IP64 protection against the ingress of dust and water. This makes them ideal for applications that require the power supply to be located in the same outdoor environment as the equipment it is powering, such as bulk power for outdoor signage and for telecom installations such as

antenna and base station equipment. The power supplies are equally suitable for indoor use, such as in control consoles, indoor signage and desktops for medical applications. They are also capable of operating in constant-voltage or constant-current mode, which is frequently a requirement for LED lighting applications.

A very compact 7 inch by 4 inch (178 mm by 101 mm) footprint enables them to be accommodated easily in end users' equipment. The conduction-cooled versions have a height of just 1.1 inch (28 mm), while the convection-cooled versions feature an integral low profile heat sink which raises their overall height to 1.5 inch (38 mm).

Active power factor correction is employed to minimize input harmonic current distortion. The power supplies have a safety-ground leakage current of less than 275 μ A when fed with a 250 Vac input, and provide an output hold-up time of at least 16 ms when fed with a 115 Vac input and delivering full load. Overcurrent and overtemperature protection are fully auto-recovering; overvoltage protection is latching and requires the ac input to be recycled before output power can be restored.

Safety approvals include UL/CSA/TUV 60950/60601-1, CE Mark (LVD), CB certification and China CCC. The power supplies are also fully compliant with the Restriction of Hazardous Substances (RoHS) per EU directive 2002/95/EC.

The conduction and convection cooled versions of Emerson Network Power's LCC250 power supplies are available at the competitive prices of \$103 and \$109 respectively per unit in production quantities. Sample quantities are available now. For additional information, please see the [LCC250 websheet](#).

A [high resolution photo](#) of the LCC250 series is available.

More information about power supply products from Emerson Network Power can be found online at www.Emerson.com/EmbeddedPower.

About Emerson Network Power

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