



PRESS RELEASE

Artesyn Launches New Family of Medical 650 Watt AC-DC Power Supplies

Tempe, Ariz. [5 September, 2016] — Artesyn Embedded Technologies today announced its new wide input range, single output [CNS650-M](#) series of medical power supplies. Contained within an industry standard 4 x 6 inch footprint, these units can deliver 650 W with forced-air cooling (750 W peak) or 400 W with free-air natural convection cooling (650 W peak) and feature less than 500 mW no-load power consumption. The CNS650-M series is available in 12 V, 24 V and 48 V variants, each with a 12 V fan output and 5 V standby. These power supplies can continuously deliver full output power across the wide temperature range of minus 40 degrees Celsius to 50 degrees Celsius and up to 80 degrees Celsius with derating.

These highly efficient power supplies carry medical and ITE safety approvals and incorporate 2XMOPP (Means of Patient Protection) to fully protect and isolate patients from the powered medical equipment. With an isolation of 4000 Vac (input to output) or 1500 Vac (input to PE; output to PE), these units are Type BF ready: for powering equipment where there is conductive contact with the patient, but not the heart, such as ultrasound monitors, blood pressure monitors, incubators, ECG equipment and operating tables.

Where an application requires more power, the active current share facility uses a signal wire to interlink two or more power supplies in parallel to increase output current capability. The built-in PMBus™ interface feature provides flexible and comprehensive digital communication via the PMBus command protocol with control and monitoring functions for voltage, current, temperature and the reporting of fault conditions.

The CNS650-M range is less than 1U high and is available in U-channel, open-frame and enclosed end-fan options (open-frame and enclosed end-fan options currently available on 12 V model). The unit's built-in 61000-3-2 compliant active power factor

correction and Class B EMI filter deliver an EMI/RFI performance to Level B (conducted), Level B (radiated with cover).

Medical and other certifications for the CNS650-M series can be found on the product's [web page](#).

About Artesyn Embedded Technologies

Artesyn Embedded Technologies is a global leader in the design and manufacture of highly reliable power conversion and embedded computing solutions for a wide range of industries including communications, computing, medical, military, aerospace and industrial. For more than 40 years, customers have trusted Artesyn to help them accelerate time-to-market and reduce risk with cost-effective advanced network computing and power conversion solutions. Artesyn has over 20,000 employees worldwide across ten engineering centers of excellence, four world-class manufacturing facilities, and global sales and support offices.

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