



PRESS RELEASE

New Artesyn Embedded Technologies 10 W dc-dc Converters Feature Medical Safety Approvals

Tempe, Ariz. [10 February, 2015] — Artesyn Embedded Technologies today announced the [AEE10W-M](#) series, new 10 watt dc-dc converters that provide OEMs with an economical solution for demanding applications in industrial and medical instrumentation requiring a certified supplementary or reinforced insulation system to comply with industrial or medical safety standards.

Encapsulated in a compact 2x1 inch industry-standard package, the AEE10W-M series offers up to 92 percent efficiency and covers a wide input voltage range from 9 to 75 Vdc with three 2:1 input voltage ratings (9 to 18 V, 18 to 36 V and 36 to 75 V). The series has fully regulated [single](#) or [dual](#) output voltage models.

The reinforced insulation system, critical for medical equipment applications, is rated for 300 Vac working voltage and 4200 Vac RMS. The AEE10W-M series is certified to the 3rd Edition UL/CSA/EN/IEC 60601-1 medical safety standard and is rated for 2X means of operator protection (MOOP). This highly reliable family has a calculated MTBF to MIL-HDBK-217F of greater than one million hours.

Artesyn's AEE10W-M series consists of single 5 and 12 V single output models and +12/-12 and +15/-15 V dual output models. The dc-dc modules can operate from minus 40 degrees Celsius up to 75 degrees Celsius with full power available to 60 degrees Celsius, with power derating at higher temperatures. They offer additional features such as the low leakage current required in medical applications, protection from overvoltage, and EMI characteristics that can meet EN 55022, class A and FCC level A.

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 nine engineering centers of excellence, four world-class manufacturing facilities, and global sales and support offices.

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