



PRESS RELEASE

New Artesyn Embedded Technologies 15 W and 20 W DC-DC Converters Feature Medical Safety Approvals

Tempe, Ariz. [13 November, 2017] — Artesyn Embedded Technologies today announced the [AEE15W-M](#) and [AEE20W-M](#) series, new 15 and 20 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.

The reinforced insulation system, critical for medical equipment applications, is rated for 300 Vac working voltage and 4200 Vac RMS input/output isolation. The new dc-dc modules are certified to the 3rd Edition UL/CSA/EN/IEC 60601-1 medical safety standard and are rated for 2X means of patient protection (MOPP). This highly reliable family has a calculated MTBF of greater than one million hours.

Housed in a compact 2x1 inch plastic case, the AEE15W-M and AEE20W-M series offer up to 89 percent efficiency with a wide input voltage range from 9 to 75 Vdc with three 2:1 input voltage ratings (9-18V, 18-36V and 36-75V).

Both families consist of fully regulated single 5, 12 and 15 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 80 degrees Celsius with full power available to 60 degrees Celsius and 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, consumer electronics, medical, military, aerospace and industrial automation. 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. Headquartered in Tempe, Arizona, Artesyn has over 16,000 employees worldwide across ten engineering centers of excellence, four wholly-owned world-class manufacturing facilities, and global sales and support offices.

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