

Artesyn Embedded Power's 500-Watt Quarter Brick DC-DC Converter Module Supports GaN Power Amplifiers

Fort Collins, Colo. [19 November, 2019] — Artesyn Embedded Power, an Advanced Energy Industries, Inc. (Nasdaq: AEIS) company, today announced its newest dc-dc converter module focused at Gallium Nitride (GaN) radio frequency (RF) power amplifier (PA) applications, the 500 watt [AGQ500](#) series.

Housed in the industry standard quarter-brick format, the AGQ500 series offers greater than 95 percent typical efficiency and a wide input range of 36 to 75 volts. The 50-volt nominal output model (AGQ500-48S50) is designed to support the growing use of GaN technology used in high power wireless base station (BTS) deployments. This 50 V model can deliver up to 10.A output current.

An aluminum baseplate structure gives AGQ500 series modules excellent thermal performance. The model can operate between minus 40 and plus 85 degrees Celsius ambient temperature and can continue to operate at full power up to 100 degrees Celsius baseplate temperature, all without air cooling.

Artesyn's AGQ500 series dc-dc converter modules offer a wide trim range of 25 to 57 V for the nominal 50 V output version.

Other features include remote enable, remote output sense and trim with protection features such as input under voltage lockout, output over current protection, output over voltage protection, and over temperature protection. No minimum load requirement helps to increase reliability and contributes to a mean time between failure (MTBF) of 1.5 million hours (calculated according to Telcordia SR-332-2006) and is IEC62368 compliant.

Notes to editors

[A high-resolution picture of the new AGQ500 series dc-dc converters module is available.](#)

About Artesyn Embedded Power

Artesyn Embedded Power, an Advanced Energy company, is a global leader in the design and manufacture of highly reliable power conversion solutions for a wide range of industries including communications, computing, server storage, healthcare and industrial. For more than 40 years, customers have trusted Artesyn to help them accelerate time-to-market and reduce risk with cost-effective power conversion solutions. Artesyn has over 8,000 employees worldwide across multiple engineering centers of excellence, wholly-owned world-class manufacturing facilities, and global sales and support offices. Artesyn Embedded Power is a registered, assumed name of Artesyn Embedded Technologies, Inc., an Advanced Energy company.

About Advanced Energy

Advanced Energy (Nasdaq: AEIS) is a global leader in the design and manufacturing of highly engineered, precision power conversion, measurement and control solutions for mission-critical applications and processes. AE's power solutions enable customer innovation in complex applications for a wide range of industries including semiconductor equipment, industrial manufacturing, telecommunications, data center computing server storage and healthcare. With engineering know-how and responsive service and support around the globe, the company builds collaborative partnerships to meet technology advances, propel growth for its customers and innovate the future of power. Advanced Energy has devoted more than three decades to perfecting power for its global customers and is headquartered in Fort Collins, Colorado, USA. For more information, visit www.advancedenergy.com.

Advanced Energy | Precision. Power. Performance.

Media Contacts:

Shreek Raivadera

Sandstar Communications for Artesyn Embedded Power, an Advanced Energy company

T: +44 116 26 88 737

M: +44 77 86 26 32 21

shreek@sandstarcomms.com