

Artesyn Embedded Technologies' Highest Power Output DC-DC Converter Module Available in 28 V or 48 V Output Models

Ultra high efficiency 48 V output model supports GaN power amplifier

systems

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[Artesyn Embedded Technologies](#)

, formerly Emerson Network Power's Embedded Computing & Power business, today announced its highest power output dc-dc converter module ever, the 800W

[AGF800](#)

series.

Housed in a full-brick format, the AGF800 series offers greater than 94.5 percent typical efficiency and a wide input range of 36 to 75 V. A 48 V model (AGF800-48S48) is designed to support the rapidly growing number of high power wireless base station (BTS) deployments using Gallium Nitride (GaN) technology for increased power density and higher efficiency. The 48 V model can deliver up to 16.7A output current, while the 28 V model can deliver up to 28.6A output current.

An aluminum baseplate structure gives AGF800 series modules excellent thermal performance. Both models 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 AGF800 series dc-dc converter modules offer a wide trim range of 24V to 53V output for the nominal 48V output version and 14V to 33V for the nominal 24V output version.

Other features include remote enable, remote output sense, trim, auxiliary output, power-good signal; and 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 an MTBF of 1 million hours (calculated according to Telcordia SR-332-2006)

Notes to editors

A [high resolution picture](#) of the new AGF800 series dc-dc converters module is available.

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