

400-W Module Supports 16 Isolated Outputs In A Configurable Power Supply

Advanced Energy Industries' dual-output 24-V/24-V module for its NeoPower family of configurable power supplies delivers up to 400 W (200 W per output) in a compact 2.5-in. form factor. This added module enables up to a total of 16 isolated outputs per power supply, streamlining system design for engineers in industrial, medical and test environments and eliminating the need for custom power supplies, according to the vendor (see the figure).

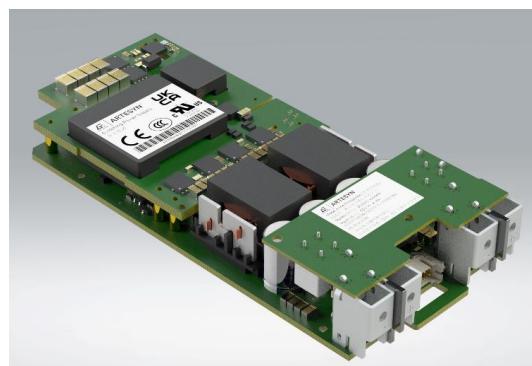
It also provides space and cost efficiency with its high power density of 18 W/in³. Other features include digital control, which ensures precise current and voltage delivery from a single ac input, and certified compliance with safety and reliability standards such as IEC/EN/UL 62368-1 (industrial), IEC/EN 60601-1 (medical), and SEMI F47.

"The latest modules in Advanced Energy's [existing] configurable NeoPower family help shrink-time-to-market for the most demanding applications," said Joe Voyles, Advanced Energy's vice president, Industrial Power Conversion. "The new dual-output modules bring new configurable customization and flexibility, enabling customers to reduce system size, cost and complexity by powering even more complex loads from a single supply."

For more information, see the NP08 [page](#).



(a)



(b)

Figure. Targeting medical, industrial, semiconductor and test and measurement, the NeoPower NP08 ac-dc configurable power supply introduces best-in-class power density of 18 W/in³ while delivering up to 4000 W output power in a 283.4- x 203.2- x 63.5-mm package (a). The NP08 case can be populated with up to eight output modules. Previously with the company's single-output modules, this provided up to eight isolated dc outputs that range from 1.0 to 57.6 V. However, with the new dual-output module (pictured in (b)), the NP08 can offer up to 16 isolated dc outputs. (The company also offers a smaller chassis, the NP05, which holds up to five output modules.)