



PRESS RELEASE

Artesyn Extends iHP Configurable Intelligent High Power System with New 12 kW Case

Industry's first configurable intelligent high power system with medical and industrial safety approvals

Tempe, Ariz. [29 August, 2018] — Artesyn Embedded Technologies today announced an extension to its [iHP series](#) configurable intelligent high power system, with the addition of a 12 kW case to the existing 24 kW case. The new case provides a lower cost and smaller option for applications needing up to 12 kW in 3 kW increments and can be configured for up to four outputs using a wide variety of plug-in modules addressing a large range of voltages and currents. The lower power output enables users to configure the iHP system for single-phase or three-phase input.

Designed for a wide range of medical and industrial applications, this modular power system provides accuracy, resolution and stability as either a programmable voltage or current source. Safety approvals secured by Artesyn eliminate the need for an isolation transformer in medical equipment. The iHP power system also has industrial safety approvals and meets the SEMI F47 voltage sag tolerance standard for semiconductor processing equipment.

The iHP power system offers developers either an analog or digital interface to their system, supporting standard communications protocols, including CANbus, Ethernet and RS485. Digital control enables the use of Artesyn's high level [PowerPro](#) software graphical user interface (GUI) to control and monitor all functions on one or multiple iHP systems. The PowerPro GUI also incorporates graphical script creation that allows users to write their own process control routines.

The iHP power system offers efficient power factor correction (PFC) and low total harmonic distortion (THD) over a wide range of loads. It uses a multi-phase continuous mode boost PFC architecture, resulting in ripple current cancellation that offers lower EMI and extends the life of electrolytic capacitors.

Users can configure the outputs as voltage or current sources and customize them to their exact applications requirements from a range of standard modules provided by Artesyn. These modules can be connected in series or parallel, while achieving accurate voltage and current sharing. For specific types of loads and applications, the iHP series can be programmed to three different compensation configurations including resistive load, capacitive load and LED load. The LED load compensation enables applications for large horticulture farms that require high voltage for series LED strings.

[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 15,000 employees worldwide across multiple engineering centers of excellence, four wholly-owned world-class manufacturing facilities, and global sales and support offices.

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