

Creating New Opportunities with Single-Phase Power

Waukegan, IL. The Drives & Motion Division of Yaskawa America, Inc. is pleased to expand the Single Phase Converter (SPC) product line up to 125 HP at 460V and 60 HP at 230V.

The SPC converts single-phase power to DC power for use by Yaskawa variable frequency drives. The SPC is the solution to the biggest problems facing business owners that power medium sized motors in rural areas. They can be faced with high costs to run three-phase power, limited single-phase motor options, and a wide range of quality issues.

Enabling rural applications such as agriculture, lumber mills, and oil & gas, and pumping to utilize three-phase variable speed control offers a host of new possibilities to their businesses. Three-phase motors are typically more efficient than their single-phase counterparts and more readily available. Adding variable speed control of three-phase motors offers a host of advantages: improved process control and quality, minimized energy consumption, and reduced maintenance.

The Single Phase Converter's active power regulator insures minimal stress on the power grid, boasting less than 10% current distortion and 0.99 power factor at rated load. Combining a low harmonic solution with a soft starting variable frequency drive typically allows the opportunity to downsize transformers and decrease installation costs. The SPC utilizes the same components found in a variable frequency drive, which significantly reduces maintenance time and expenses.

Jason Wellnitz, product manager for Yaskawa's Single Phase Converter and pump drives, stated, "We are proud to continue with Yaskawa's history of introducing innovative products to motor control applications. We listened to our customers and hope we delivered on their needs." The SPC is available in 230 VAC models from 20 to 60 HP and 460 VAC models from 30 to 125 HP.

To learn more about the Single Phase Converter, please visit the [product page](#) on yaskawa.com or contact your [local Yaskawa representative](#).

About Yaskawa

Yaskawa America's Drives & Motion Division manufactures industrial automation equipment, including low and medium voltage variable frequency drives, intelligent pump drives, servo systems and motion controllers, low-voltage industrial controls and spindle drives and motors. The company's Motoman Robotics Division makes industrial robots that can weld, assemble, cut and handle goods for manufacturers. Yaskawa products are used in a wide variety of industries, including packaging, automotive, building automation, pharmaceutical, machine tool, material handling, metal forming, solar, pumping, water/wastewater treatment, agricultural water, plastics, rubber, and textile. Yaskawa America, Inc. employs more than 1,000 people in its headquarters in Waukegan, IL, its manufacturing facilities in Buffalo Grove, IL and Oak Creek, WI, and in offices across the United States. For more information about Yaskawa products visit our website at yaskawa.com.



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