

INTEPRO Three Phase Utility Grid Simulator Features Energy-Saving Regenerative Power Source

PAS-F system offers power levels from 45 kVA to 1.6 MVA; regenerative bi-directional AC source returns up to 92% of load energy to simulate new LVRT requirements

Tustin, CA— June 2, 2015—Intepro Systems, a market leader in power component and power system automated test equipment (ATE), announces the introduction of the PAS-F Series of programmable three phase utility grid simulators. The PAS-F system combines utility grid simulation and regenerative bi-directional AC source that is capable of both sourcing and sinking the full current load from the device under test (DUT). With power levels ranging from 45kVA to 1.6MVA, the series is capable of testing the largest of dispersed energy inverters.

When testing dispersed energy products, such as PV inverters, energy storage systems and wind turbines, the traditional test set up requires a load bank in parallel with the DUT and AC source. The PAS-F system does not require the parallel load. Instead, full DUT current is sunk into the AC source and 92% of the power is regenerated back to the utility grid, saving energy and reducing system-cooling requirements.

The PAS-F system offers fully adjustable output voltages (up to 305 V line-to neutral, 528 V line-to-line) and frequency (40-70 Hz). It features embedded low-voltage-ride-through (LVRT) test windows to allow for simple programming of compliance routines, including the new 10% LVRT requirements. The DSP-based controller allows for independent phase angle, voltage and phase imbalance control to meet requirements, such as IEEE1547, where multi-phase inverters must be tested on an individual basis and all phases simultaneously. The PAS-F system can also be used as a reference AC source for use in UL1741, IEEE1547, BDEW (Germany) and CEI0-16 (Italy) compliance testing.

For more information about this product, download the [PAS-F Series data sheet](#). For more information about this or any other INTEPRO product, visit the INTEPRO Systems website (www.inteproATE.com) or email sales@inteproate.com.

About INTEPRO Systems

Since 1981 Intepro has supplied users and manufacturers all over the world ATE systems and instruments to test power electronics used in a wide range of applications. The company has knowledge and expertise in moving and measuring power makes its systems unparalleled for production testing, ESS screening, repair and characterization of power components and sub-assemblies used across all industries.

Intepro Systems also offers a variety of power supplies and electronic loads to its customers. Intepro Systems has partnered with Preen to provide AC sources and AC loads as its own and partners DC electronic loads to help solve many power testing needs.

Intepro Systems instrumentation and systems test and validate power supply systems and components used in aerospace, military, telecommunications, and other power electronics applications. Leaders in power supply testing; the company has a global reach with direct sales offices in the U.K., Ireland, China and the USA, and distributors covering the rest of the world.

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