ABB Industrial UPS offers faster and more accurate fault detection

PowerBuilt™ industrial UPS delivers an expanded power range from 10 kVA to 80 kVA product availability designed for better load protection

RICHMOND, VA, United States — May 16, 2016 — ABB, the leading power and automation technology group, has expanded its industrial uninterruptible power supply (UPS) technology to support the continuing demand from downstream refining and petrochemicals, upstream oil and gas, power generation, and the growing regulatory and safety needs of today’s industrial complexes.

The PowerBuilt™ UPS is a true online double-conversion industrial UPS designed to UL 1778 safety standards; and therefore, it can be scaled to meet changing electrical requirements and is adaptable to the most stringent technical specification. With over 30 years of experience in designing and manufacturing industrial UPS systems, ABB continues to bring this expertise to the North American market.

PowerBuilt™ features a phase-locked loops (PLL) control system, a proprietary correlation method design that facilitates faster, more accurate fault sensing for system reliability and critical load protection. The intelligent control logic, internal to the UPS is the silent sentry that continuously safeguards the system to ensure uninterrupted operation.

"ABB is making a concerted effort to expand the overall portfolio for our customers and partners in North America," said Hans Pfitzer, Local Business Unit Manager in ABB’s Power Protection Product Group. "Expanding the PowerBuilt™ platform that supports UL standards and voltages strategically positions ABB’s power protection products in the industrial marketspace."

Additionally, the PowerBuilt™ UPS is equipped with an unmatched user interface with full-color touch screen graphical user interface (GUI) for self-guided serviceability with minimal engagement, as well as the latest communication protocols. It also features a patented digital static transfer switch design, which enhances system performance through increased redundancy and reliability. The fully rated switch provides better protection of critical loads from input power transients and interruptions by eliminating any single point of failure.

The threat of lost production or the possibility of damage to work in process is a central manufacturing concern. The PowerBuilt™ industrial UPS features an innovative insulated gate bipolar transistor (IGBT)-based pulse-width modulation (PWM) inverter design that employs active current limitation for higher short circuit tolerance. The active short-circuit method ensures the best possible current clearing waveform, while still protecting the inverter from catastrophic failure. In the event of a load side short circuit or over-current that cannot be supplied by the inverter, the UPS logic will transfer away from the active inverter source, thereby preventing the fault condition from damaging the inverter.
About ABB

ABB (www.abb.com) is a leader in power and automation technologies that enable utility, industry, and transport and infrastructure customers to improve their performance while lowering environmental impact. The ABB Group of companies operates in roughly 100 countries and employs about 135,000 people.

For more information please contact:

Marketing Communications
Susan Hughson
Tel: +1 800 236 3335
susan.hughson@us.abb.com

ABB Power Protection Product Group
5900 Eastport Boulevard
Richmond, VA 23231 USA

Laura Ortiz
UPS Product Manager
Tel: +1 800 236 3327
laura.ortiz@us.abb.com