

APC InRoom® Perimeter Cooling Solutions Provide Reliability and Redundancy for Data Centre Environments

Submitted by: Spa Communications

Thursday, 30 July 2009

APC by Schneider Electric (<http://www.apc.com/gb>), a global leader in integrated power and cooling services, has announced APC InRoom Perimeter Cooling Solutions (<http://www.apc.com/products/category.cfm?id=9&segmentID=3>) that provide high reliability for year-round operation, with the ease of service, system flexibility and redundancy necessary to keep critical technology rooms up and running.

“The increasing use of high density servers and storage equipment coupled with escalating energy costs has created real challenges for today’s IT and facility managers,” said Peter Hannaford, Vice President, Datacenters & Alliances, EMEA/LAM, APC by Schneider Electric. “In response, APC’s InRoom perimeter cooling solutions cool up to 5kW per rack, maintain humidity, cool non-racked IT loads, and run 10 percent more efficiently than other perimeter units through the use of electronically commutated (EC) fan technology.”

APC’s InRoom Perimeter Cooling (<http://www.apc.com/products/category.cfm?id=9&segmentID=3>) solutions enable monitoring and maintenance of temperature and humidity design conditions which is critical to the smooth operation of a Data Centre or computer room. Tight tolerance temperature control is essential as temperature fluctuations can cause thermal stresses and premature failures in IT equipment. Low humidity can cause static discharge and high humidity can cause condensation – both extremes creating treacherous conditions for IT and networking equipment. Additionally, APC InRoom Perimeter Cooling solutions are highly manageable with controls to ensure optimized operation, alarms to provide visibility into the health of the unit, and an easy-to-use display allowing the operator to select options from the device’s menu-driven interface to control and monitor the connected air conditioning system.

The benefits of APC’s InRoom leading edge precision cooling solutions also include:

- Modular construction that allows flexibility and adaptability;
- EC fan modules which increase fan efficiency by up to 30 percent while reducing operating costs;
- Anti-vibration mounting to isolate the fan module from the unit structure;
- Dedicated de-humidification and scroll compressors in select models to maximize efficiency;
- Front service access and proactive alarm functions which make for easily serviceable units; and
- A scalable design, which enables customers to meet the changing needs of their environments.

APC InRoom cooling solutions are available in both Chilled Water (<http://www.apc.com/products/family/index.cfm?id=380>) and Direct Expansion (DX) (<http://www.apc.com/products/family/index.cfm?id=381>), with the DX units being available in air-, water-, and glycol-cooled, as well as multicool and economizer options. Available in both upflow or downflow configurations, as well as a multitude of other options, InRoom cooling solutions are built to suit specific customer needs. To learn more about APC’s award-winning power and cooling solutions, please visit www.apc.com/gb (<http://www.apc.com/gb>) or call 0800 2799254.

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About APC by Schneider Electric

APC by Schneider Electric, a global leader in critical power and cooling services, provides industry leading product, software and systems for home, office, data Centre and factory floor applications. Backed by the strength, experience, and wide network of Schneider Electric's Critical Power & Cooling Services, APC delivers well planned, flawlessly installed and maintained solutions throughout their lifecycle. Through its unparalleled commitment to innovation, APC delivers pioneering, energy efficient solutions for critical technology and industrial applications. In 2007, Schneider Electric acquired APC and combined it with MGE UPS Systems to form Schneider Electric's Critical Power & Cooling Services Business Unit, which recorded 2008 revenue of €2,6 billion and employed 12,000 people worldwide. APC solutions include uninterruptible power supplies (UPS) (<http://www.apcc.com/products/category.cfm?id=13>), precision cooling units (<http://www.apcc.com/products/category.cfm?id=9>), racks (<http://www.apcc.com/products/category.cfm?id=10>), physical security (<http://www.apc.com/products/category.cfm?id=17&segmentID=3>) and design and management software (<http://www.apcc.com/products/category.cfm?id=7>), including APC's InfraStruXure® architecture (<http://www.apcc.com/products/category.cfm?id=8&subid=45>), the industry's most comprehensive integrated power, cooling, and management solution. Schneider Electric, with 114,000 employees and operations in 100 countries, achieved sales of €18,3 billion in 2008. For more information on APC, please visit www.apc.com. All trademarks are the property of their owners.

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