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80 PLUS® Announces Platinum Level Certification for Data Center Servers

***In industry first, 80 PLUS® Platinum certified power supplies incorporated
into HP data center servers***

PORTLAND, ORE – Ecos today announced new 80 PLUS Platinum® power supplies are to be used in data center servers from HP.

Ecos announced the new Platinum level for data center servers in October for 230V internal power supplies. These power supplies have efficiency levels of 90 percent or greater and a PFC of .95 or greater. Specifically, the power supplies are 90, 94 and 91 percent efficient at 20, 50 and 100 percent of rated load, respectively. In 2007, HP became the first major computer manufacturer to commit to offering its customers 80 PLUS® certified power supplies.

“With HP offering server products with 80 PLUS Platinum certified power supplies, our program has attained its highest milestone so far,” said David Backen, *Director* of Utility Clients at Ecos. “More efficient power supplies in office equipment lead to energy savings as well as maintenance, infrastructure and environmental savings.”

The 80 PLUS Program, which is funded by electric utilities and market transformation organizations throughout North America, certifies and pays incentives for computers and data center servers that utilize energy-efficient power supplies. These supplies are power factor corrected and at least 80 percent efficient at converting high voltage AC power from the wall outlet into low voltage DC power for use inside a machine. Since the program’s inception in 2004, new certification levels have been added with more stringent efficiency guidelines: Bronze, Silver, Gold and now Platinum. In addition, certified products have grown from desktop computers and servers to data center applications.

“Customers are looking for the highest level of energy efficiency in products to reduce their overall business costs and their impact on the environment,” said McLeod Glass, group manager for Industry Standard Servers at HP. “As the first server manufacturer to partner with 80 PLUS on the new Platinum-level power supplies that deliver 94% power efficiency from the outlet to the server, HP is enabling its customers to optimize power usage and reduce energy costs.”

Nearly all desktop computers and servers can take advantage of more efficient drop-in power supplies. Energy consumption may be reduced by 15 percent to 25 percent without costly, time-consuming redesigns of the entire computer. Consumers gain considerable benefits from 80 PLUS certified power supplies:

- Utility bill savings annually are typically \$20 for each desktop computer running eight hours a day, five days a week (more if the computers are in continuous use) and more than \$60 for data center servers using redundant power supplies.
- The reduced heat output and improvements in power quality can increase the overall computer reliability by up to 40 percent.
- Power factor correction reduces the cost of providing electrical service and helps to minimize interference and losses in the wiring within a building, an important benefit for utilities and large commercial and institutional customers.

Electric utilities and energy efficiency programs across North America have joined 80 PLUS to help offset the extra cost of making desktop computers, servers, and data center applications more energy efficient. The utilities save electricity for less than the cost of generating it, and computer purchasers get more efficient machines with better power quality for little or no extra cost compared to computers with conventional power supplies. The 80 PLUS Program offers manufacturers of desktop computers, servers and data center applications financial incentives for every unit containing a certified power supply that is sold in participating sponsors' service territories.

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