Innovative Energies adds communications to DC UPS Battery Chargers

August 17, 2010 - The Innovative Energies SR250i single or SR250V dual battery string No-Break DC UPS battery chargers can now communicate remotely through ports using either RS485, RS232 or Ethernet (LAN) communication Interfaces.

Innovative Energies ASCII code is available on all communication models and separate optional Modbus protocol converters are available for use on RS485 versions. There are two protocol converters. The basic model has Modbus RTU and the advanced Ethernet enabled model has Modbus TCP, internet protocols HTTP, APR/ICMPv4/TCP, as well as Modbus RTU.

The SR250i and SR250V are suitable for applications that require cost-effective remote monitoring, control and testing of the power supply and batteries. Remotely controlled battery condition tests may be performed when required or as scheduled. External load resistors may be added to a system to yield more accurate results.

The SR250V enables a full (80%) discharge to be performed on each set of batteries at predetermined, or manually selected, intervals using an appropriately sized external load resistor. This enables more accurate, and repeatable, results to be obtained compared with using the system load which may be variable or too small. Each battery string may also be rested (taken off float charge) after completion of testing and recharging.

Rated power output of the SR250i and SR250V is 250W with nominal output voltages of 12, 24, 36, 48V.