

DC & AC UPS SYSTEMS WITH COMMUNICATIONS FOR SCADA SYSTEMS

The Innovative Energies **SR...** range of DC power supplies and DC back up charging systems (DC UPS) can support most of the common protocols used in SCADA systems:

- DNP3
- Modbus RTU and Modbus TCP
- SNMP
- Web pages
- ASCII code (Innovative proprietary).

DNP is primarily used by power system operators and as such is not a widely implemented protocol by most manufacturers so the Innovative chargers are one of the few DC chargers able to be monitored using the latest version DNP3.

Parameters such as power supply status, battery status, output voltage, power supply, battery and load current (**No-Break DC** range), and temperature can be monitored any of the above protocols.

Alarm alerts such as input voltage failure, DC/battery low, battery missing, overvoltage (-L versions) are available via clean relay contacts or the communications protocols. The SNMP models can also issue an alarm trap if any of the following adjustable thresholds are exceeded: high temperature, low temperature, overvoltage, high load current.

Some functions such as the battery condition test may be controlled by the operator or set to be performed automatically.

All of the **SR...** range are designed and manufactured in New Zealand thus ensuring customers get 100% sales and service support around the clock.

In addition to the range of DC UPS, Innovative Energies also distribute and support a range of AC UPS with web pages and SNMP. There is also a limited range of rack mount AC UPS with Modbus TCP/IP using the Efore VIDI+ controller.

Please contact Innovative Energies Ltd +64 9 8350700 for further information.