



New 200W battery-backed PSU offers multiple outputs for greater design flexibility

The new Oracle III 200-9 battery-backed switch-mode power supply from Vxl Power offers designers greater flexibility by providing one main output, one charger output and up to seven 35W auxiliary outputs.

Operating from an 85-264V AC autoranging input, the PSU is available in both 12V and 24V versions and features fan cooling as standard, enabling it to deliver 200W continuously at the maximum permissible ambient temperature of 70degC, with a peak output capability of 300W.

In the event of a mains failure, the backup battery supplies power to the load via an internal diode, thereby ensuring that the output is maintained without interruption.

Temperature compensation of the battery charger circuit extends all the way down to the minimum operating temperature of -20degC, and a special version of the PSU with a lower limit of -40degC is also available for extreme applications.

The unit is capable of charging 'Cyclon' cells over the full temperature range and can also be configured for either 2- or 3-stage charging to reduce battery recharge times in cyclic applications.

The 200-9 features the standard Oracle III RS232/RS485 serial communications interface, with a choice of Modbus, Canbus, DeviceNet or IrDa protocols. As well as enabling data to be downloaded to a PC, this facility makes it possible for users to input parameters such as battery type and battery test interval. In addition, the serial interface allows the PSU to be integrated into a SCADA system, if required.

Built-in protection circuitry guards against short-circuit overloads, current limits, reverse polarity and overvoltages, while an undervoltage lockout facility prevents damage to the battery when it is fully discharged.

The PSU incorporates volt-free relays and LEDs for monitoring system status, and these can be factory-configured to meet the user's specific requirements.

Compliant with the EN50081-1 and EN50082-2 standards for EMI emissions and immunity, the Oracle III 200-9 has overall dimensions of 203 x 185 x 70 mm.

Further information from:

Grant Ashley,
Vxl Power Ltd.
Tel: +44 (0)1522 500511 Fax: +44 (0)1522 500515,
e-mail: grant.ashley@vxipower.com

Issued by:

Rick Bauling,
RJB Communications,
Tel: +44 (0)1234 782255 Fax: +44 (0)1234 782744,
e-mail: rbauling@rjbcoms.com

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