

Headlines

Welcome:

This is the 21st edition of TecNews, the newsletter from Verotec. In this issue we feature Verotec's of Power supplies We also discuss a special application for 19inch Rack cases used in mobile telecomm base station power management.

Latest News:

Last week Verotec was exhibiting at the Electronix show at the Australian Technology Park in Sydney. The exhibition ran for 2 days and is Australia's largest electronics event, covering all aspects from design



through manufacture and test solutions. Products exhibited included Verotec's range of Instrument cases, Diplomat, Verotec and LBX. Along with KM6-2 Subracks and modules. Running the stand was Lucy Krieg of Lektronics (www.lektronics.com.au) Verotec's agent & distributor, responsible for sales and technical support in the region. Lucy tells us that the event was highly successful with a good number of "strong" enquiries for Verotec's products.

If you would like to know more then please contact Verotec's sales team on 02380 246900 or e-mail sales@verotec.co.uk

- **Welcome / Latest News: Verotec Exhibits in Australia**
- **Product Feature: Power Supplies**
- **Recent Projects: Special Power Management Rack Case**



Product Feature: Eurocard Power Supplies

Verotec offer two main ranges of pluggable, eurocard-style power supplies; VERO POWER and CompactPCI.

The Vero Power range (manufactured by Eplax) comprises the PK, VP, EC and GK types, offering single, double and triple outputs with a wide choice of current ratings. Both AC and DC inputs are catered for with all units featuring the DIN41612 H15 interconnect and convection cooling for improved system reliability. Features include auto-ranging input, PFC, N+1 redundancy, remote on/off, over voltage protection, power-fail, O/P adjust and automatic short circuit protection. Units are CE marked for compliance to EMC and LVD, have EN60950 approval and a 24-month warranty. Selected models are also approved to UL / cUL.

The CompactPCI range includes 11 models specifically designed to be fully compliant with the PICMG 2.11 Power Interface specification. All offer 3.3v, 5v & +/-12v and feature a Positronic P47 interconnect. All versions are 8HP wide and are available with either 18 - 36VDC, 36 - 72VDC or auto ranging 85 - 264VAC inputs to suit a wide variety of potential applications. 3U versions are rated at 200 or 300W, 6U ones at 350, 400 or 500W. The units feature

active PFC to achieve a typical power factor of 0.98, and efficiency is greater than 80% at full load. They are hot swappable, have high temperature shutdown with auto recovery, overload, over-voltage and short circuit protection.

All front panels are fitted with an EMI gasket and guide pin, protective ground, injector/extractors and keying to conform to IEEE 1101.10/11.



Recent Projects: Special Power Management Rack Case

In more remote parts of the world mobile phone base stations rely heavily on petrol or diesel generators and batteries for their power. In developing nations even where there are power grids they are usually very unreliable.

Verotec's customer produces equipment to monitor the power supplied to the base stations and regularly switches between generator, battery and other sources of power.

The 19inch Rack case Verotec supplied for this project was modified to include a punched and screen printed front panel, vented base panel for cooling, cable trunking and DIN rail for routing cables and fixing relays. The cases are fitted out by a subcontractor and are shipped containing all the equipment need to be configured locally at the base station site. With its durable construction and corrosion resistant finish Verotec's 19inch Rack Case, modified specially on the company's TecServ+ customisation service, proved to be an ideal enclosure solution.

