

Welcome:

This is the 15th edition of TecNews the Newsletter from Verotec. In this issue there are features on Power supplies and a special KM6 –RF subrack that will be used on a new railway signalling system. The team at Verotec wish you all a very happy Christmas and a prosperous 2012



- **Welcome / Latest News**
- **Product Feature: Power Supplies**
- **Recent Projects: Special KM6-RF for rail networks**



Latest News:

2011 has been a year of change for Verotec. The year started with the company's quality system being approved to ISO 9001; In July Verotec moved to new, larger premises which gave us more space for stock and logistics; In September Verotec France opened, giving us even greater access to the European market and in November we completed our machine shop which gives us greater capability for small batch runs and modification work.

2012 Promises to be as exciting. Already we have begun a series of product improvements and upgrades. The first of these will be on the Verotec case which we expect to be completed by the end of March. Also by the end of the first quarter we plan to publish the second edition of the Verotec handbook which will reflect all the product changes and updates during 2010/11

Handbook:

To receive your complimentary copy of the Verotec Product Handbook, simply register your details by clicking on the link below.



[Handbook Request Click here](#)

Product Feature: Power Supplies

Verotec offer two main ranges of pluggable, eurocard-style power supplies; "**VERO POWER**" and a "**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 KM6-RF for rail networks

Verotec has now delivered in excess of 100 Special KM6-RF subracks for a new railway signalling project. Using the KM6-RF product as a "base" meant that the subrack could be modified to meet the exact requirements of the customer's application.

Although the design uses conventional end plate angles the spacing of the rack mounting angles was not 19inch practise, which meant that the subrack would not be the usual full width (84hp). The design meant reduced width covers, tie bars and tapped strips all of which are easily adapted from the KM6-RF design. The customer wanted to mount both 3U modules and 6U PCBs, both of which use front panel injector/ejector handles. By using the IEEE1101.10/11 front tie bar extrusion with injector/ejector lip and by modifying a 3U divider kit to the specific width of the module, Verotec were able to supply a subrack specifically modified to meet the customer specification.

