



Powernet delivers its 350,000th ADC5000 Series power supply

The Powernet ADC5000 power supply series recently passed a significant milestone when the 350,000th power supply, a celebratory version of the product, was delivered to Australian customer M|Power. M|Power has been using the ADC5000 series for several years, in control systems of railway crossings.

Development work on the Powernet ADC5000 series began towards the end of 1990s. The goal was the introduction of a highly reliable, versatile and future-oriented power supply.

The first models in the series, with an output of 250W, were released in 1998, followed by the 125W and 60W models. The ADC5000 was one of the first power supplies on the market to introduce a temperature-compensated battery charging function as a standard, along with built-in output series diodes. Thanks to these features, use of the ADC5000 is particularly popular in applications with requirements for a redundant system structure, as well as in battery charging systems supplementing the actual power input.

Over the years, the ADC5000 has gained the status of a “workhorse”, particularly in demanding applications, with areas of application ranging from wind power to process automation systems, and from telecom applications to a host of devices in industrial use. Of the 350,000 units delivered to date, the majority are still in operation. The expected life of an ADC5000 device is from 15 to 20 years, depending on the conditions and area of application.

The ADC5000 has gained the confidence of customers worldwide due to its high reliability. Its MTBF (Mean time between failures) value, calculated by Powernet Oy Service, is higher than 3 million hours. Over the last few years, the excellent reputation of the ADC5000 series has been augmented by the introduction of the dedicated robust R models (“R” designates robustness). The R model’s features include circuit boards treated with a protective coating, for added reliability in applications that expose the device to grime and excessive vibration.

Now that the ADC5000 has attained a healthy middle age, its growing pains are over and it has gained a sizable base of installed products. Encouraged by positive experiences, Powernet’s customers are displaying renewed confidence in the company’s products by selecting new members of the ADC5000 product family. As a result of the confidence it inspires, the ADC5000 series is highly successful and will probably remain in production well into the 2020s.

– M|Power Products have been in partnership with Powernet for more than 10 years. In that time M|Power has purchased products from the ADC5000 and ADC4370 ranges. They have proven to be very reliable products and well suited to the markets that we service, particularly the railway market. Powernet have also proven to be a very supportive supplier and have worked through new products and product developments throughout that time. M|Power would highly recommend Powernet as a supply partner and the high quality range of products that they offer.” – Scott Young Technical Sales, NSW/ACT, Australia.

– The ADC5000 series presents an outstanding example of a successful Finnish industrial product on the global market. Once the decision to specialise in the high-end product sector is made, and provided that excellent quality is maintained, the rest is history, comments **Harry Lilja**, VP Sales and Marketing at Powernet Oy.

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Powernet Oy

Established in 1992, Powernet Oy is a Finnish company specialised in the design and manufacture of power sources, inverters and power supply solutions, with a strong emphasis on product development. Powernet's key customer segments include applications for renewable energy, transportation and the specific needs of industries. The company's strengths include energy-efficiency and demanding customer-specific power source solutions.

The company is based in Äänekoski, where its manufacture, servicing, financial and administrative departments are located. Marketing and product development are located in Petikko, Vantaa. In addition to the plant in Äänekoski, manufacture of volume products is handled by subcontractors outside Finland. The company's operations are based on power source expertise, overall quality, competitiveness and profitability. Powernet is the partner of choice for selected and demanding customers and applications.

M|Power Products

M|Power is the leading provider of innovative and dependable power solutions in Australia, New Zealand and the South Pacific. The M|Power Group of companies consists of M|Power Projects Pty Ltd, M|Power Products Pty Ltd, M|Power Pacific Ltd and M|Power Solar Systems Pty Ltd. With a history that extends over 100 years, M|Power provides a diverse range of power solutions and products for every purpose.

We deliver a vast range of products and solutions to an equally diverse customer base in the green energy, domestic, commercial, oil & gas, industrial, utilities, defense and mining sectors. Our Solutions encompass power generation, power storage, backup power and power conversion.