



## **Powernet launches 500W member of new ADC9000 rail approved power supply and battery charger design platform**

*Powernet new ADC9000 series design platform covers the power supplies and battery chargers from 500-3200W with rail approvals according to EN50155. Final products will be optimized in co-operation with our customers. This is a perfect combination of the latest design knowledge and the individual needs of each customer.*

Development work on the Powernet ADC9000 series design platforms began in 2010. The goal was the introduction of a highly reliable, versatile and future-oriented power supply design envelope that could be used for creating customer specific solutions in a fast schedule, with low risk both schedule and technically wise. The same design platform is aimed at applications requiring rail approval as well as demanding industrial applications including marine and military .

The first ADC9000 versions, with 500W output is now shipping to a rail customer in central Europe. It is a 500W battery charger with 230VAC 2,5A input and 24VDC output. Operating environment -40 C to +55 C, with temperature compensation. The 500-1000W power range is covered by a LLC resonant converter topology pushing efficiency levels into 90-95% area, depending on the actual product specification. A high efficiency level will allow for a cooler device, lower power consumption and a longer expected life time.

– We are excited to start shipments of our new rail approved 500W ADC9000 series power supplies. In line with our key account based strategy we will finalize the actual products together with our customers, which means that mechanics, connectors and test specifications can be optimized according to the needs of each customer. Modernization of old trains with limited space and existing wiring architecture is a typical application where product finalization is needed. So we use our latest design knowledge as a platform and we are able to serve our customers catering to their individual needs, comments **Harry Lilja**, VP Sales and Marketing at Powernet Oy.

### **More information:**

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Picture: ADC9000, 500W rail approved battery charger.



### **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 various industrial segments. 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.