

## Press Release

May, 2011

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### **Powerbox introduce new compact 100 W DC/DC converters in the Railway line family. The new converters are designed to meet the demanding electrical and mechanical demands for rolling stock & railway applications.**

The features are:

- Wide input voltage range for railway / rolling stock applications
- Rugged design in a low profile box
- Nominal input voltage: 110Vdc (66-154Vdc) (other voltages available upon request)
- Output: 24V 100W (other outputs available on request)
- Remote on/off
- DC OK signal
- Conformal coating of PCB

Conforms to the following Railway standards:

- + EN50155 environmental and safety.
- + EN50121-2-3 EMC
- + EN61373 Shock & Vibration

The product is as standard available in euro cassette format with extreme compact dimensions 132 (3U) x 20 (4TE) x 164mm. Other mechanical formats and termination possibilities are available upon request.

The Powerbox range of power converters for train applications ranges from a few watts to kilowatts. The converters are normally DC/DC to provide suitable voltages from the DC system voltages (24VDC or 110VDC) to the application voltage, normally ranging from 12VDC to 48VDC. Today DC/AC converters are requested more and more frequently to generate a mains voltage (115VDC or 230VDC) from DC system voltages for applications as power in passenger seats to power standard equipment in the bistro.

The applications covered are

- Propulsion systems (IGBT control, brake control, computers)
- Drivers cabin (to power displays, communication systems etc.)
- Passenger cabin (AC power in seat, information displays, entertaining systems)
- Bistro (microwaves, coffee machines, cash registers, computers)