



# D C D C A C 3 0 0 0 - C O N V E R T E R

Power Converter was designed to drive on-board socket outlets and kitchen equipments unit of the IC2 double deck coach for the Finnish railways.



Power Converter located inside the coach

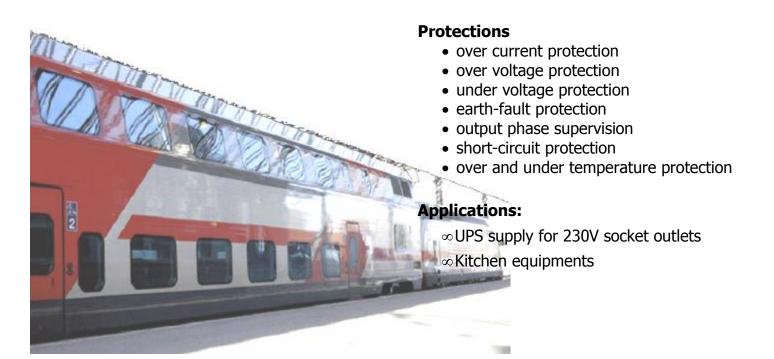
#### **TECHNICAL DATA**

## **Input Characteristics:**

Nominal input voltage 1-phase 110 Vdc / 34 Arms

### **Output Characteristics:**

- $\infty$  Output voltage  $U_{AN} = 230 V_{rms}$
- $\infty$  Output frequency  $f_N = 0..50 \text{ Hz}$
- $\infty$  Output current  $I_{AN} = 13$  Arms
- ∞ Output power 3000 VA
- ∞ Overload capability



#### **Mechanical Data**

Input		General	
Nominal input voltage	110 Vdc	Efficiency	> 90 %
Operating range	77-138 Vdc	Temperature range	-4060°C
		Humidity	Less than 95%
Output		Cooling	Forced (external)
Voltage	230Vrms ( ± 3%)	Dimensions in mm	480 x 500 x 130
		Weight	25 kg
Nominal power	3000 VA	Mounting	Inside the coach
		Housing	IP 20

# **Complying standards**

Electrical particles EN 61287-1, Railway applications –

Electronic power converters for rolling stock

Vibration shock etc. EN 61373, Railway applications –

Shock and vibration tests

EMC EN 50121-3-2, EMC on board rolling stock

# **Block diagram**

