

## PWL1000econ Electronic load 4x250W DC



**PWL electronic loads are reliable and usable equipment intended for professional power electronics testing. They are designed to fulfil reliability and life time demands needed in long term reliability and production testing in electronics industry.**

PWL1000econ is four channel 3U x 19" rack assembly. It is an economical solution designed for lifetime, reliability and production testing. In research and development it can be used as an easy to use bulk load unit. High reliability components, like European fans and Japanese long life electrolytics have been used. Mosfets have low junction temperature to reach long lifetime.

Load channels are capable to handle 250W resulting total power of 1kW. Rugged load terminals are both in the front and in the back panel. This ensures flexible cabling in all circumstances. Load current is set with potentiometer in the front panel. Active current control is indicated with green led. If load unit can not for reason or an other control the current to desired value, yellow led indicates abnormal situation. Automatic fan control, over temperature protection and over power protection ensure long operational lifetime.

## **PWL1000econ**

### **Electrical specification**

**Configuration:** 4x250W.

**Isolation:** SELV. (Banana connectors are not protected from touch)

**Control mode:** Current control.

**Current:** Adjustable 0-50A.

**Voltage:** max 60VDC SELV (breaks down at 130VDC), max 60VDC between channels. Do not connect channels in series!

**Power:** 250W per module, 1kW total, in 20DegC ambient.

**Minimum resistance:** 35mohm typical.

**Protections:** Over power protection. Controlled current max 50A. Reverse polarity protection 50A + internal fusing for catastrophic failure protection. Automatic fan control. Over temperature protection.

**Mains supply:** 230VAC. 50-60Hz.

**Manufacturer:** Powecon Oy, Elementitie 8, 41160 Tikkakoski, Finland.

[www.powecon.fi](http://www.powecon.fi)