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# KEPCO CURRENTS

UP-TO-DATE ENGINEERING NEWS FOR THE POWER SPECIFIER

MAY 2005

## TELL US WHAT YOU NEED

1. Do you specify or have needs for hot-swappable, redundant power supplies?

- Yes  
 No

2. If yes, what power level? (Check all that apply)

- < 100 Watts  
 100-500 Watts  
 500-1 KW  
 > 1 KW

3. Would you like to continue to receive this newsletter?

- Yes  
 No

**Submit**

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## TECH TERMS

### RoHS Compliant

Conforming to Directive 2002/95/EC of the European Parliament on the restriction of the use of certain hazardous substances in electrical and electronic equipment. These hazardous

## RUN LEAN

The small size and very low profile of KEPCO'S new RoHS Compliant, Series RTW power supplies, allow them to fit into 1U high spaces.



RTW 50 Watt Model



RTW 100 Watt Model

Kepeco's RTW series are general-purpose, L-chassis, single output, RoHS (Restriction of Hazardous Substances) compliant power supplies. They are available in 50 and 100 Watt power levels, with output voltages from 3.3 to 48 Volts and output currents from 1.1 to 25 Amperes. The RTW are able to deliver full current at 50°C ambient temperature with no forced air cooling required, making them the ideal power supply for any application where space is at a premium. They feature full safety compliance to international standards and have suppressed both conducted and radiated emissions to FCC class B levels. Power factor correction (PFC) is standard, with the input power factor typically equal to 0.99.

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## HIGH DENSITY LOW COST Hot Swap Power Supplies from Kepeco

substances are mercury, cadmium, lead, hexavalent chromium, PBBs (polybrominated biphenyls) and PBDEs (polybrominated diphenyl ethers). The Directive takes effect on July 1, 2006.

#### **Fault Tolerant**

Providing redundant power modules on an N+1 basis, with sufficient isolation that the failure of any one power module does not cause system failure.

#### **Hot Swap**

A design which allows live power supplies to be attached to and removed from a powered set of rails without causing disturbance of the load.



Series HSF 1200W/1500W

Two high-power models join the Kepco HSF-group of plug-in, redundant-capable, hot-swappable power supplies. Offered in 24 and 48 Volt output models, using efficient high frequency forward conversion with power factor correction, they operate from nominal 100V a-c or 240V a-c power mains without switching. The power rating depends on the model (24V or 48V) and the a-c input mains voltage. Output power ranges from just under 900W for the 48V model running on 85-132V a-c, to just over 1500W for the 48V model running on 170-265V a-c mains. See the model table at [www.kepcopower.com/hsfmod.htm](http://www.kepcopower.com/hsfmod.htm) for details.

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[www.kepcopower.com](http://www.kepcopower.com)

#### **Kepco, Inc.**

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