



## NEWS RELEASE

**Subject: TDI Introduces the New Liquid-Cooled 7kW AC-DC Power Supply  
For Immediate Release**

Hackettstown, NJ – November 8, 2006.



Transistor Devices, Inc. is pleased to announce its new LCPM series of 7kW Liquid-Cooled Power Modules. Each module is 12" H x 2.8" W x 18" D (11.6W per cu. in.) Six modules fit side by side on a 17.5" shelf (shown below) to deliver up to 42kW of regulated power from a balanced 3-phase world power source (195-265VAC – 47-63 cycles). Efficiency is over 90% and the power factor is better than .99.

Front View of 7kW Liquid Cooled Power Supply



(6) 7kW Modules Side by Side on a 17.5" Shelf

The liquid cooled power modules may be used for small or large systems such as Data or Computer Centers when paralleled in racks they can deliver up to a megawatt of regulated DC power while simultaneously eliminating the need for large air conditioning units in the facility with wind tunnels under the floor. Liquid cooling is 4,180 times as volumetrically efficient as air. The cooling source for the liquid may range from external chillers to rechargeable wells, lakes, rivers or cooling towers on the roof of a building in accordance with the specific economies of the application. Since the liquid cooled module has no fan, operation is quiet and there are no air disturbances, which create dust, dirt or debris either in the application or in the unit. The elimination of dust, debris, and vermin from the system increases the system reliability by several fold and the system is both economical and environmentally friendly.

The module is typically cooled with water or a water ethyl glycol mixture, which enters and leaves the module via a blind mated pluggable liquid coupling, which limits the leakage upon mating or disconnection to less than one drop. The unit is available with either aluminum or copper piping to assure that in the individual system there is no incompatibility of metals, which could cause corrosion or deterioration.

About Transistor Devices, Inc.:

Transistor Devices, Inc. (TDI) is a global supplier of power systems solutions for the computer / networking, telecommunications, military / aerospace, medical, and industrial markets. TDI offers the broadest range of high technology power

conversion products available in the marketplace, including electronic loads, DC and AC power systems, power supplies, rectifiers, converters, and accessory equipment. Established in 1960, TDI is headquartered in New Jersey, has over 1000 employees and seven facilities located throughout the world. For more information on TDI, visit our website at [www.tdipower.com](http://www.tdipower.com).

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