

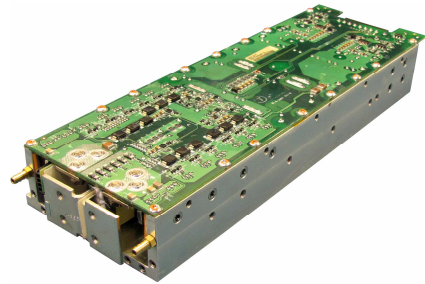


## NEWS RELEASE

**Subject: TDI Introduces A New 2.7kW, 12V Liquid Cooled DC-DC Converter**

**Hackettstown, NJ – January 11, 2011**

TDI has developed LiquaCore™ (patent pending) power management technology which allows the electronics package to remain sealed, while enabling efficient management of waste heat at very high power densities. The cooling liquid employed is either water or a mixture of water and ethylene glycol (anti-freeze). By using standard power modules TDI Power can easily configure a complete high power solution for your application.



**Standard Power Module  
Building Block**

As part of our power management technology, TDI Power has developed a 2.7kW, 12V liquid cooled DC-DC converter that boasts 93% efficiency. This replaces conventional alternators for more power at lower RPMs. It's modular and scalable for higher power needs - up to 100kW. This unit is ideally suited for harsh vehicle applications. It also lends itself to high volume manufacturing, using common mechanical extrusions and mainstream components, resulting in lower costs.

Benefits of a complete electrical vehicle power system include:

- Reduced Fuel Consumption
- Increased horsepower by electrifying traditionally belt-driven systems
- Frequent Stops and Starts don't pose problems
- Extended engine life and enhanced vehicle reliability
- Meets City Pollution and NOISE Abatement Laws
- Operates in extreme environmental conditions

Specifications:

**INPUT**

**Voltage:** 330–400VDC Operational, 370VDC Nominal, Over-voltage tested to 440VDC

**Peak Inrush Current:** <45A

**Efficiency:** 93% with 370VDC source, 50 to 100% load

**OUTPUT**

**Voltage:** 13.5VDC

**Power:** 2,700W at Minimum specified coolant flow rate

**Dimensions:** H4.9 x W11.2 x D33.8 cm (H1.94 x W4.41 x D13.3")

**Weight:** 2.8kg (6.2 lb)

**ENVIRONMENTAL SPECIFICATIONS**

**Coolant Medium/Mixture:** 60/40 Propylene or Ethylene Glycol/ Water

**Coolant Flow:** 0.0208 to 0.0505 l/s (0.33 to 0.8 GPM)

TDI Power is a global manufacturer of Power Systems Solutions for the Industrial, Military/Aerospace, Medical, Computer/Networking and Telecommunications markets. We have a broad range of high technology power conversion products including DC and AC Power Systems, Power Supplies, Rectifiers, Converters and accessory equipment. Established in 1960, TDI is headquartered in New Jersey, USA, has over 700 employees and three facilities located throughout the world. For more information about TDI go to [www.tdipower.com](http://www.tdipower.com).

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Heather Maguire

Marketing Communications Manager

36 Newburgh Road

Hackettstown, NJ 07840

Phone: 908-850-5088

Email: [heather.maguire@tdipower.com](mailto:heather.maguire@tdipower.com)