

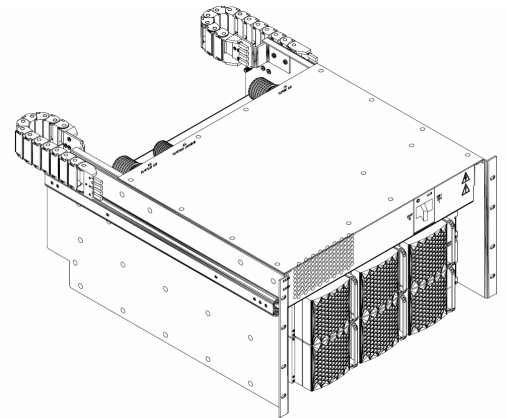


## NEWS RELEASE

**Subject: TDI Introduces Mil-Grade, 3-Phase Power System**

**Hackettstown, NJ – November 16, 2010**

TDI Power, an industry leader in rugged military power supplies, announces a new three-phase, three wire power system. Providing DC output power at up to 16.2kW, this unit is ideally suited for shipboard and industrial applications where no neutral connection is available, eliminating the need for an expensive, heavy external step down transformer.



An extremely rugged design allows for operation in harsh environments and utilizes forced air cooling via long life, ball bearing fans. The unit endures extreme operating conditions while providing outstanding thermal management and unsurpassed reliability. Meeting many military style EMC requirements, this system is compatible with Mil-COTS qualified Mercury rectifiers.

Specs as follows:

### **AC INPUT**

**Voltage:** 360-528 Volts AC, 47-63Hz, Three Phase (no neutral)

### **DC OUTPUT**

**Voltage (typical):** Outputs of 12, 24, 28, 48, 56, 125 or 330V realizable with various Mercury Rectifier modules

**Power:** 7200W – 16,200W maximum depending on Mercury module utilized

**Efficiency:** 90% typical, 50 to 100% load

### **ENVIRONMENTAL SPECIFICATIONS**

**Vibration / Operating:** MIL-STD-810F Method 514.5 Category 20 (ground mobile)

**Shock / Operating:** MIL-STD-810F Method 516.5 Procedure 1

### **SAFETY AND REGULATORY AGENCY SPECIFICATIONS**

**Safety Agency Approval:** Designed in compliance with IEC950

**RoHS:** Compliant (Lead Solder Exemption Directive, RoHS 5)

### **PHYSICAL DIMENSIONS**

**Dimensions:** H269 x W483 x L508 mm (10.5 x 19 x 20")

**Weight:** 43.1kg (95 lbs)

TDI Power is a global manufacturer of Power Systems Solutions for the Military/Aerospace, Medical and Industrial markets. We have the broadest range of high technology power conversion products available in the marketplace, including DC and AC Power Systems, Power Supplies, Rectifiers, Converters and accessory equipment. Established in 1960, TDI is headquartered in New Jersey, has over 800 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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