



NEW RELEASE

FOR IMMEDIATE RELEASE: February 6, 2006

Subject: Environmentally Sealed Power Modules

Hackettstown, NJ: When traditional forced air-cooled power modules are exposed to outdoor, industrial or other harsh environments, they ingest various contaminants including dust, sand, humidity, corrosive atmospheres, salt, fog, vermin and other debris. These contaminants cause untimely failures due to shorts, corrosion and physical damage. Fan filters often add to the problem as they become clogged, causing over temperature failures as cooling air is choked off.

The solution is a mechanical and electrical, ruggedized design with convection cooling that environmentally seals the equipment and protects the components. . TDI is introducing a complete series of Environmentally Sealed Power Modules (ESPM). The first modules to be released in this series are the highly efficient and ruggedized 1000 W and 2700 W units. These modules are designed to withstand and operate reliably in harsh environments and critical applications. The ESPM series is also electrically hardened to survive severe AC input transients.

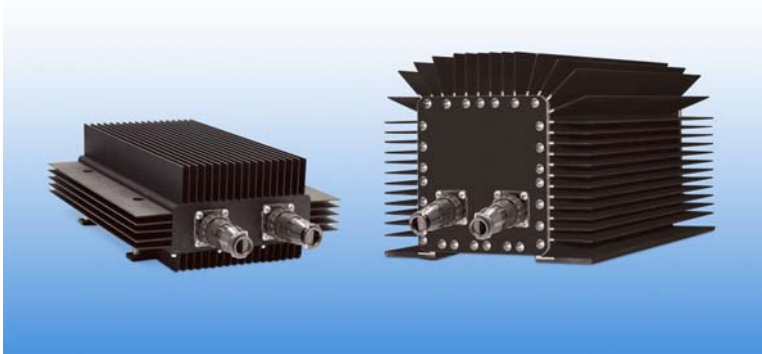
Performance features include high efficiency operation, wide AC input ranges, sinusoidal power factor correction, remote control and monitoring, N+1 redundant parallel operation, EMI conformance and closely regulated and conditioned output. The internal electronics are encased within the sealed aluminum chassis that provides environmental protection from the elements. The 1000 W module is encapsulated with a thermally conductive, flexible silicon elastomer whereas the 2700 W modules are filled with thermally conductive oil. Both technologies efficiently conduct heat from the components to the finned chassis and in turn to the outside cooling air.

The ESPM series are ideally suited for Telecommunications Base Stations, Towers and Shelters, Off-Shore Platforms, Chemical Plants, Industrial Processing and Control, Mobile Trucks and Vehicles, and other unsavory applications. ESPMs are NEMA rated for Watertight, Submersible, Dusttight, Corrosion Resistant, Steel Resistant and Hazardous Locations. They have an extended operational temperature range of – 30°C to +55°C after a 30 minute warm up, which can be extended to +70 °C with power derating. Their audible noise is undetectable. Connection options include tethered cables, terminal blocks or weather tight connectors. Electrical and mechanical performance features include:

Input:	1000 W; 90 to 275 Vac
	2700 W; 176 to 275 Vac
	47 to 63 Hz, single phase
Power Factor:	0.99 typical
Output Voltage:	-54V (Contact Factory of other voltages)
Output Current:	1000 W; 20 A max.

	2700 W; 50 A max.
Efficiency:	>90% at 230 Vac input, 50 to 100% load
Protection:	Over-voltage, Over-current, Over-Temp
External Control:	Remote Inhibit, Voltage Control, Sensing
Alarms:	AC Fail, Output Good
Dimensions (inches):	1000 W; H 4.3 x W 9.25 x D 11
	2700 W; H 7.7 x W 8.6 x D 15.5
Weight:	1000 W; 16 lbs
	2700 W; 25 lbs
Cooling:	Natural convention, no fans or blowers

ESPM modules are available in 1000 W and 2700 W. Other modules will be released later this year. Contact Norman Wolf for additional information at Wolf_N@tdipower.com or 908-850-5088.



About Transistor Device, Inc.:

Transistor Devices, Inc. (TDI) is a global supplier of Power Systems Solutions for the Computer/Networking, Telecommunications, Military/Aerospace, Medical and Industrial markets. With the broadest range of High Technology power conversion products available in the marketplace, capabilities include 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.

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