

NEW PRODUCTS FOCUS

Compact, High Volt Power Supply



A new, ultra-compact high-voltage power supply that provides an order of magnitude increase in power density over commercially available high power capacitor-charging supplies was recently introduced by Diversified Technologies, Inc. (DTI). This power supply was developed to power the US Navy Electromagnetic Railgun (EMRG) energy storage system under the Navy's Small Business Innovation Research Program (SBIR). The DTI PowerMod™ 300 kW Compact Power Supply provides over 10 times the power density over commercially available units; making it ideally suited for shipboard and mobile systems requiring high power in a small footprint. All control systems utilize noise-immune fiber-optic interfaces for EM isolation and this power supply is fully protected against over-voltages, fast transients, and short circuits.

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