



Aircraft and Avionics  
Maintenance Power Supply  
(AAMPS)

Transformer / Rectifier  
(TRU)

**Saratoga Springs, N.Y. February 1, 2012:**

**Espey Mfg. & Electronics Corp. Delivers DDG 1000 Aircraft and Avionics Maintenance Power Supply - AAMPS**

Espey Mfg. & Electronics Corp. (NYSE - Amex: ESP) developed and delivered an Aircraft and Avionics Maintenance Power Supply (AAMPS) for the DDG 1000 Zumwalt Class Destroyer. The AAMPS uses state-of-art technology to provide AC and DC power with the latest safety and operational features, remote user interface and control for flight deck operation, and night vision compatibility. The AAMPS was developed to support and interface with a 440VAC or 650VDC power system to support legacy naval ship platforms as well as the Zumwalt. Espey has eliminated the need for both a MIL-P-15736/1 - 28V rectifier power supply and 400Hz 115/200VAC - 45KVA inverter/frequency converter. This approach offers significant advantages over the traditional options based on outdated military specifications. Espey believes this is a prime example of our commitment to meet active fleet “Green Ship” directives by benefitting from the investment in new and future power technologies for the US Navy. AAMPS is a modern design that offers the benefits of providing both Aircraft 400 Hz AC and 28 VDC, meeting anticipated demands of a wide variety of fixed and rotary aircraft and UAVs. Adapted

for use on platforms with MIL-STD-1399, 440VAC requires use of a simple and reliable unregulated Transformer/Rectifier Unit (TRU). The TRU can also be coupled with other newly developed power equipment utilizing a 650VDC Input for use on other ships equipped with 440V AC main power. The AAMPS and TRU solution provides significant size and weight advantages over having both the existing 28VDC MIL-P-15736/1 plus a 400 Hz aircraft power supply/frequency converter. AAMPS provides more capability and modern features to support the current and future aircraft needs. Espey's Aircraft and Avionics Maintenance Power Supply (AAMPS) and Transformer/Rectifier Unit (TRU) are fully tested and field operational.

### **Espey Background/History**

Espey Mfg. and Electronics Corp. is a custom design and manufacturing company whose product base is power system components and sub-systems for US and foreign militaries. Espey is a small business located in upstate New York, ISO 9001:2008 certified, and publicly traded on the New York Stock Exchange (ESP). Espey has supplied power electronics that serve on numerous shipboard, ground based and airborne platforms for over 80 years. Espey is a current Supplier for Low and High Voltage Power Supplies, Inverters, Custom Mil-Spec Magnetics, Transmitters and Battery Chargers. Espey has a long and successful history of providing dependable deployed "Fit and Forget" power to the Warfighter.

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