



**Embedded Boards • Power Supplies • Instruments**

170 Wilbur Place • Bohemia, NY 11716-2416

Tel: (631) 567-1100 • Fax: (631) 567 1823 • [www.naii.com](http://www.naii.com)

## **For Immediate Release**

**Contact:** Lou Garofolo  
North Atlantic Industries  
631-567-1100  
[lgarofolo@naii.com](mailto:lgarofolo@naii.com)

David Pinkowitz  
DCP Marketing Services LLC  
631-491-5343  
[dpinkowitz@dcpmarketing.com](mailto:dpinkowitz@dcpmarketing.com)

## **High Power-Density, Low Profile, DC/AC Inverter Now Available**

### ***65 Watt, Switch Mode, Sine Inverter Designed for NAVMAT Compliance***

**Bohemia NY** -- North Atlantic Industries (NAI) has announced the availability of a high power-density, low profile, DC/AC sine inverter. The 44KS1 provides 65 Watts of sine wave output power at +85°C baseplate temperature. Its low noise output and rugged design are ideally suited for military and aerospace programs, including airborne, shipboard, ground mobile and C<sup>3</sup>I applications. The 44KS1 is designed and manufactured to NAVMAT component derating guidelines and each unit receives ESS screening, including temperature cycling and vibration per NAVMAT. The unit includes EMI filtering per MIL-STD-461E and input transient protection per MIL-STD-704A.

The 44KS1 operates from a 24 to 32VDC steady state input and provides a sine wave output of 26 to 28VAC. Efficiency is 75% minimum. The unit includes numerous fault protection features, including output overvoltage protection (to 125%), continuous short circuit protection (with automatic recovery) and output current limiting (to 135%). A Power Fail Warning is provided when the input is insufficient to provide full-power output. An Output Enable is provided to disable the AC Output.

The 44KS1 is available with a baseplate operating temperature range of -55°C to +85°C. It measures 3.00 x 2.65 x 5.50 inches and weighs 38 ounces maximum. Pricing for 100 pieces is \$2011 each. Delivery is 12 weeks ARO.

"The 44KS1 gives our customers a low profile DC/AC sine inverter in a very compact and rugged package," said Frank Riccobono, Director of Sales and Marketing at NAI. "They particularly like its low noise, fault protection and NAVMAT design compliance."

### ***North Atlantic Industries***

Founded in 1955, North Atlantic Industries (NAI) designs and manufactures Embedded I/O (Input/Output) Boards, Power Supplies, and Motion Simulation and Measurement Instruments for the Defense and Aerospace Industries. It provides the highest quality COTS (Commercial Off-the-Shelf) and Custom products in Commercial, Extended Temperature and Full-Military versions. NAI is focused on delivering innovation, quality, and superior value for its customers. Additional information about NAI and its products can be found at the company's Web site at <http://www.naii.com>.

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Photo Attached

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