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## **Major national research laboratory chooses Behlman BL1350 power supplies for particle accelerator applications.**

*Behlman COTS units will drive filament transformers on large klystron tubes.*

*Hauppauge, New York, October 3, 2011—* Behlman Electronics Inc. known in the electronic industry for its ultra-reliable power supplies that enable companies to power AC equipment in even the most adverse field conditions, has received an order for a large number of their model BL1350 Commercial Off The Shelf (COTS) power supplies. Behlman will modify these COTS power supplies to provide the precise specifications needed to drive filament transformers on large klystron tubes.

*According to Ron Storm, Behlman's Vice President of sales and marketing, "Because it is an extremely robust COTS product with extensive features and broad operating parameters, the Behlman BL 1350 has become a favorite of electronic engineers responsible for military, commercial, industrial and research systems. Being able to support particle acceleration applications puts Behlman right on the leading edge of modern power technology."*

For this application, Behlman's modified BL1350 is powered from 115 VAC, 47-63 Hz and provides a variable (0-135 V) of regulated AC power at a frequency synchronized to the input frequency. Other models can be powered from 115 or 230 VAC or a Power Factor Corrected (PFC) 85-270 VAC and can supply two ranges of variable AC out. Units can be stacked for increased power. Protective circuits include input, short circuit, constant current and thermal protection. BL1350 power supplies have a standard analog remote control and optional RS-232 or IEEE-488 interface, operate from 32 to 131 degrees F (0 to 55 degrees C), and have a high-strength 19-inch rack mount chassis 3.5" high x 22" deep (48.25 cm wide x 8.89 cm high x 55.88 deep D).

Because Behlman designs and manufactures a very broad line of power products for diverse industrial, commercial and military applications, it can readily help companies satisfy their power needs. Behlman power supplies are used for aerospace and

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avionics; production testing; oil and gas exploration and recovery; railroads; utilities; research; and by the US Military for aircraft, shipboard, ground and mobile applications.

Because Behlman's many COTS products don't have to be designed from scratch for each new application, they enable customers to enjoy custom-modified power solutions without the high engineering costs.

## About Behlman

Behlman Electronics, Inc. ([www.behlman.com](http://www.behlman.com)), a subsidiary of Orbit International Corp., manufactures and sells high-quality standard, modified standard, custom and COTS power solutions, including AC power supplies, frequency converters, inverters, DC-DC, AC-DC, and DC-AC power supplies, and UPS (uninterruptable power supply) units. Behlman provides power consultations, at no charge, for government contractors and industrial and commercial organizations worldwide.

Orbit International Corp., ([www.orbitintl.com](http://www.orbitintl.com)), based in Hauppauge, New York, is involved in the manufacture of customized electronic components and subsystems for military and nonmilitary government applications. Other subsidiaries include Orbit Instrument, Tulip Development Laboratory, and Integrated Combat Systems.

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Several thousand Behlman BL1350 Power Supplies are deployed in a variety of applications where they have proven to be rugged and highly-reliable as they power AC equipment in hostile environments.