

Press Release

Elmo Motion Control Releases the ExtrlQ Panther – a DC Offline Servo Drive for Extreme Environmental Conditions

The most compact, PCB-mounted servo drive that operates directly from the mains (up to 400 VDC or 750 VDC power source) and delivers up to 7 kW of continuous qualitative power

Tel Aviv, Israel, July 6, 2010

Elmo Motion Control is presenting a number of products at the AUVSI Unmanned Systems Exhibition 2010, including the ExtrlQ Panther, a new member of the ExtrlQ Line of compact, high power-density digital servo drives. One of the most important new features that the Panther brings to the ExtrlQ Line of durable servo drives for extreme environments is the ability to operate from a very high voltage power source, without a transformer, using a “direct to mains” connection to a 400 VDC or 750 VDC power source.

The Panther’s dimensions are just 110 x 75 x 30 mm (4.3" x 2.95" x 1.2") making the high power (up to 7 kW of continuous qualitative power) and voltage combination quite remarkable. With its small footprint, the Panther can be PCB-mounted or integrated within the motor.



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Haim Monhait, CEO of Elmo Motion Control, noted the following: “At Elmo we have always endeavored to develop products that truly bring an added dimension to the market. In the case of the Panther we were able to release a high voltage drive that operates directly from the mains with remarkable power density and efficiency ratings, while maintaining a very small footprint. One of Elmo’s most significant messages to engineers regarding our super-compact servo drives is that they can be mounted anywhere. The Panther is totally in line with this philosophy and it enables significant space savings to be made.”

“The ExtrlQ Panther is ideal for integration into any motion system, either single- or multi-axis, and it results in a high performance motion control unit.”

The Panther is based on Elmo’s rugged ExtrlQ motion control technology that has been optimized for extended environmental conditions. The products that make up the ExtrlQ Line operate at the extremes of temperature, humidity and altitude as well as other factors such as vibration and mechanical shock.

There are two DC bus options: 80 – 400 VDC and 200 – 750 VDC, with a built-in smart supply for controlling the back-up capabilities. The Panther can also operate with a 24 VDC auxiliary power supply for the back-up features.

The Panther operates with sinusoidal, trapezoidal and DC motors, and is truly feature-rich, combining high power density, programming flexibility, CANopen networking and numerous motion control features, resulting in a very effective solution for a wide variety of challenging applications.

When using a number of ExtrlQ Panthers in a multi-axis setting, Elmo’s Gold Lion Multi-axis Controller can be used to control the network of servo drives.

About Elmo

Elmo Motion Control has 20 years’ experience in developing motion control solutions based on ultra-compact, high power density digital servo drives and analog servo amplifiers for industrial settings and military applications. The product range also includes innovative, networked, multi-axis controllers and EtherCAT-ready solutions.

For more information about the ExtrlQ Panther, visit www.elmomc.com or contact our Sales Manager for North America: John McLaughlin: 1.603.821.9979 • jmclaughlin@elmomc.com