October 7th, 2009

New Ultra-Low Power Consumption High Voltage Power Supplies

The Ultra Low Power (ULP) Series DC-DC converters are an expansion of EMCO's commitment to industry-leading innovation and delivers orders of magnitude reduction in power consumption over existing solutions.

Designed for the demands of portable, battery-powered applications, the ULP Series provides output voltages from 0 to 500 VDC through 5000 VDC, while consuming less than two (2) milli-watts of power. This translates to 4500 hours of operation on just two AA lithium batteries!

The output voltage is regulated, programmable, and can deliver up to 4 watts of power on demand at >85% efficiency. Proprietary packaging produces a miniature module just ½ inch (12.7mm) high and weighing less than 2 ounces (56.7 grams), ideal characteristics for hand held applications.

Designed specifically with "green" applications in mind, the ULP Series also features a shutdown pin which drops current consumption below 10 micro-amps (uA). Standard input voltage range is 5.4 to 7.4 volts and models are available in positive and negative outputs. Operating temperature range is available in both -20^{o}C to +70^{o}C and -55^{o}C to +85^{o}C versions.

About EMCO High Voltage Corporation

EMCO High Voltage Corporation has been an innovative, industry leading developer of high voltage power supplies for over three decades. EMCO has been awarded many prestigious accolades, including "Product of the Year" from Electronic Products Magazine, "Key Partner Award" from the University of Wisconsin for Project ICECUBE, "Most Innovative New Product of the Year" in the Field of Electrical Engineering from the University of California, Davis, "Product of the Year" from Electronic Products Magazine, "Product Technology Award" from ECN Magazine, "Runner-Up Product of the Year" from Electronic Engineering Product News, and six "Editor's Choice Awards" from Electronic Products Magazine.

Best Regards,

Kim Bailey