

Excelsys XSolo PSUs claim highest power density in a 1U Package

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Categories:

AC/DC, Embedded, Power Supplies

XSolo family of 1U-high, single-output switching PSUs

Excelsys Technologies, a technology leader in high-efficiency modular power supply design, announced the introduction of its latest XSolo family of 1U-high, single-output switching power supply units (PSUs). The XSolo family is offered in a market-leading, convection-cooled 504W open-frame U-channel form-factor model (6.8



W/cu.in.) and an enclosed, fan-cooled chassis model that delivers up to 1008W (13.6 W/cu.in.). Capable of achieving 92% efficiency, these ultra-compact and rugged PSUs meet the exacting requirements of medical, industrial, IT and military COTs applications. Additionally, both models carry a five-year warranty.

The XSolo family features dual safety agency certification: EN60950-1 for industrial applications and EN60601-1, 2nd and 3rd edition for medical applications—fully meeting the stringent creepage and clearance, 4kV a.c. isolation and <300uA leakage current requirements. The XSolo family also meets the voltage dip and interruption requirements of SEMI F47, as well as the environmental conditions per MIL-STD-810. In addition, the products are compliant with all relevant EMC emission and immunity standards.

The XSolo platform offers system integrators with a host of standard features, including variable fan speed, 12V/300mA isolated bias supply, remote ON/OFF, output voltage control and parallel operation for higher power applications. Nominal output voltages are 24V and 48V with wide adjustment ranges and user-defined setpoints. Maximum dimensions are 40mm(1U) x 238 mm x 128mm.

“Our XSolo modular power supplies provide the range of features and options that systems integrators require,” said John Stevenson, Excelsys’ North American VP. “Their compliance with a wide range of standards also helps simplify product selection and improve inventory control.”

Optional features include I²C for PMBus communications and ORing diodes for N+1 redundancy. The power supplies are also available with conformal coating and can be ruggedized for use in harsh environments. With convection-cooled power capability of over 500W, XSolo PSU’s are ideal for use in Hi-Rel MIL-COTS applications as well as sensitive acoustic laboratory and medical equipment.

Price: \$254.00 (500W); \$299.00 (1kW) – base price in OEM quantities

Delivery: In-stock

(<http://www.powersystemdesign.com/excelsys-xsolo-psus-claim-highest-power-density-in-a-1u-package>)