High-density, output configurable power system provides 1,300 W for space-constrained apps

Vicor Corp. introduced the Westcor MicroPAC power factor corrected AC/DC power system providing up to 1300 W of continuous power at up to 92 percent efficiency and 25 W/in^3 power density in a 4 x 1.72 x 7.45-inch package. Offering semi-regulated output voltages of 12, 24, 36 and 48 VDC via four factory-configurable isolated outputs, the system supports a wide range of customer power requirements and is suited for distributed power architectures in industrial and automation, MIL-COTS, telecom and renewable energy applications. System designers seeking the flexibility to partition multiple voltage outputs rather than use two separate power supplies can configure MicroPACs with a combination of four VI Chip BCM high-voltage bus converters, which may be configured as single outputs, parallel outputs, or a series output with integrated current sharing. For applications requiring higher power levels, the systemss can be configured in arrays with box-to-box current sharing.

Energy Star-compliant MicroPACs offer advanced eco-mode operation settings via which the individual BCMs are powered on only as needed, further enhancing power efficiency over a wide load range. During standby-mode, total power dissipation (TPD) is less than 8 W, which is exceptional for a power system rated up to 1300 W.

MicroPACs operate at full load over a wide temperature range (-40 to +55C) and are ruggedized for harsh environments. Offering an economical alternative to competing MIL-class power systems, MicroPACs meet MIL-STD 810 standards for shock and vibration – up to 7Gs per axis for one hour each, and 40G functional shock – and are therefore well suited for ground vehicle, aircraft and ship transport and usage.

Vicor Corp.
800-735-6200, www.vicorpower.com [1]

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Links:
[1] http://www.vicorpower.com