DC/DC converter meets industrial rail standards

Schaefer announces the PRC-240 Series of DC/DC converters that provide 240W of power in a compact, chassis mount package. The PRP-240 Series has versions that meet industrial (EN60950) or rail (EN50155) standards.

Standard nominal input voltages are 24VDC, 48VDC, 72VDC, and 110VDC. The PRC-240 Series provides highly efficient (up to 92 percent) conversion to adjustable 5VDC, 12VDC, 24VDC and 48VDC outputs that are tightly regulated to 0.2 percent or better. Parallel operation of multiple units is available.

All models in the PRC-240 Series boast comprehensive protection circuitry against short circuit/overload, input reverse polarity, input under voltage and undercurrent. Remote sense, remote inhibit, and LED indicators are part of the standard design. A wide operating temperature of up to -25C to +75C allows for installations in extreme conditions and meets EN50155 Class 3. Emissions to EN61000-6-3 and EN60121-3-2 meets both industrial and rail standards and minimizes interference to other sensitive equipment.

The compact size of the PRC-240 Series measures 8.66” x 3.94” x 1.38”. In addition to chassis mounting, an optional DIN rail clip, mounting base and Eurocard front panel are available.

Schaefer’s full family of DC/DC converters also includes other modules starting at 45W of power and increases in ratings up to high power (30kW) designs.

Modifications to standard units are available. In addition, Schaefer can design and manufacture fully custom solutions.

Schaefer

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