Low-profile AC-DC, DC-DC power supplies offer compact options

Announced by Acopian is the availability of new options to enhance the functionality of its Low-Profile Family of AC-DC and DC-DC Power Supplies. Boasting a height of only 1.7 inches, the UL recognized, CE certified low-profile family consists of 1U format 720W single-output AC-DC and DC-DC and 750W wide-adjust output AC-DC and DC-DC models. The high power density and flexibility of the models ensures minimal power loss in end-use equipment, thereby facilitating higher reliability, and easier thermal management.

Both the 720W single-output and 750W wide-adjust output AC-DC and DC-DC models are now optionally available with a thermostatically controlled fan, which runs at reduced speed until maximum speed is required, along with an output blocking protection diode for battery charging or redundant applications. Further new options include three-phase 208VAC or 170-240VAC (60-400 Hz) input voltage, in addition to 15VDC/100mA auxiliary voltage. Provisions for N+1 redundancy and paralleling for higher current are also optional.

All models are supplied standard with universal input and active power factor correction (PFC) and can support either constant voltage or a constant current. Those with wide output voltage ranges can be adjusted down to 0V. Both voltage and current are programmable with 0-10V control voltage inputs. Voltage and current monitor outputs and an inhibit terminal are included on the pluggable connectors to facilitate easy wiring of the control and input leads. Additional standard features include built-in over voltage protection (OVP), "soft start" and "no load" operation, short circuit and overload protection, thermal protection, internal EMI filtering, RFI shielding, and remote sensing.

Due to their industry standard footprint and low profile, Acopian's low-profile power supplies are an ideal drop-in replacement for existing supplies for applications in which weight, efficiency, size, or wide input range tolerance is a factor. These power supplies are most commonly employed in LED signage and lighting, industrial controls, power and energy, aerospace, nuclear, and electrolysis applications.

Acopian's Low-Profile Family of AC-DC and DC-DC Power Supplies accept a wide input voltage range of 90-265VAC (49-240 Hz) or 110-350VDC. Models in case size WL7 measure 1.7" x 6.4" x 9.4", while those in case size WL9 measure 1.7" x 6.4" x 11.9". Units are provided ready for use worldwide, without further configuration or input selection.

Standard pricing for Acopian's low-profile models with nominal outputs from 3.3V/70A to 135V/15A is $775.00 each; wide-adjust models with outputs from 0-5V/70A to 0-135V/5A are priced at $800.00 each. New options are priced separately and range from $15.00 to $30.00 each. Units come with a full 5-year warranty and ship within six days ARO. All Acopian products are made in the USA.

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