

450W 1U Programmable Single-Output AC-DC Power Supplies Released by Acopian

Written by Australian Business

EASTON, PA, October 09, 2013 **/24-7PressRelease/** -- Announced today by Acopian, a leader in the design, manufacturing and distribution of custom, standard and modified standard power supplies, is the expansion of its 1U AC-DC programmable power supply portfolio to include an extensive family of 450W 1U programmable single-output AC-DC power supplies. Offered in rack and benchtop models, the new power supplies are notably available in 135 different voltage ratings spanning from 1 Vdc to 135 Vdc and feature current ratings up to 40 A. The high efficiency, high-density 450W family is specifically engineered to satisfy the requirements of a broad array of OEM, industrial and laboratory applications including automated test equipment (ATE), water purification, electro plating, product development, industrial controls, motor controls and cathodic protection.

The power supplies accommodate the universal AC input voltage of 95 to 265VAC, 49-420Hz with active power factor correction (PFC) of 0.99 to ensure operation in challenging AC environments and compliance with European EMC requirements. For added support, units are configurable with an optional fixed auxiliary output of between 3.3Vdc and 125Vdc, up to 180W.

A comprehensive and intuitive front panel supports reliable linear controls for precise adjustment, and optional digital LED voltage and current meters. Voltage and current monitor outputs, and provisions for N+1 redundancy and paralleling for higher current, are also optionally available. Pluggable connectors facilitate quick and easy wiring of control and input leads.

Common to all models within Acopian's latest family of 450W 1U programmable single-output AC-DC power supplies are PFC, universal input, built-in over voltage protection (OVP), and constant current control to provide further flexibility. Standard features additionally include short circuit and overload protection, "soft start" and "no load" operation, internal EMI filtering, thermal protection, remote sensing and RFI shielding. Moreover, all models can operate in a constant-current or constant-voltage mode.

Digital interfaces, including RS232, RS485, Ethernet and USB, are available upon request.

To learn more about Acopian's new family of 450W 1U programmable single-output AC-DC power supplies, or to order online, visit <http://www.acopian.com/single-s-1u-m.html>.

While firm pricing is determined according to customers' specifications, prices for Acopian's rack mounted 1U 450W programmable AC-DC single-output power supplies start at \$810.00 per

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unit. Benchtop unit pricing starts at \$820.00 each. Modules are shipped within three days ARO and come with a full 5-year warranty. All Acopian products are made in the USA.

About Acopian Acopian Technical Company has been designing, manufacturing and distributing custom, standard and modified-standard power supplies since 1957. Their products are commonly employed in a broad range of electronics applications in such strategic markets as computing, aerospace, automotive, medical, telecommunications, and industrial control. Acopian's comprehensive portfolio consists of full lines of AC-DC single, dual and triple output power supplies, AC-DC wide adjust output power supplies, DC-DC converters, high voltage AC-DC and DC-DC power supplies, redundant systems, N+1 power supplies and systems built to customers' unique requirements. Standard models have outputs from 1V to 30kV, and up to 1200W. Each is shipped within 3 days (larger units ship within 9 days) after receipt of order. Redundant power systems come with a full 5-year warranty and ship within 9 days after receipt of order. All Acopian products are built in the USA and shipped factory direct to customers worldwide.

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