



**Power Supplies**  
...Shipped within 3 days

Acopian Power Supplies  
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### **AC-DC Mini Encapsulated Linear Power Supplies**

Easton, PA – March 29, 2007 - Acopian Power Supplies' encapsulated modules have series regulated outputs ranging from 1V to 75V and as high as 2.5A. Their footprint is only 3.5 x 2.5 inches. Output power range is 0.5W to 14W. These modules have a thermal barrier running through the power supply, isolating the hot running components from the more sensitive components. All models are UL recognized.

Modules have a universal input range of 105-125 VAC, 47 to 420 Hz, single phase. Line and load regulation are, respectively  $\pm 0.2\%$  to  $\pm .05\%$  and  $\pm .05\%$  to  $\pm .25\%$ . Input-to-output isolation is 3000VAC. Output ripple/noise is 1mV. All models may be used in series and are short circuit (continuous) protected.

Operating temperature range is  $-20$  to  $+71^{\circ}\text{C}$ . without derating. Storage temperature range is  $-55$  to  $+85^{\circ}\text{C}$ . Connecting an external resistor to the T/C terminal allows the user to trim the output precisely to the nominal voltage. The temperature coefficient for 9V to 75V output ranges is typically  $0.015\%/^{\circ}\text{C}$ . For 1V to 8V, the temperature coefficient is  $0.03\%/^{\circ}\text{C}$ . Output impedance is 0.07 ohms at 1 kHz and 0.2 ohms at 10 kHz (approx.)

Linear operation minimizes output noise so these modules are ideal for use in test equipment, analog systems, controls, aviation and R&D.

Data sheets are on the Acopian website: [www.acopian.com/single-l-screw-m.html](http://www.acopian.com/single-l-screw-m.html)

### **About Acopian**

Acopian has been designing and manufacturing power supplies since 1957. 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 receiving an order. If no standard model meets your needs, we can customize a model for you, or design a 'special' for your unique requirements. Acopian also manufactures redundant power supplies in three form factors: rack mounting, (some with power supplies that plug in from the front), wall mounting and modular. Redundant power systems come with a full 5-year warranty and are shipped within 9 days.