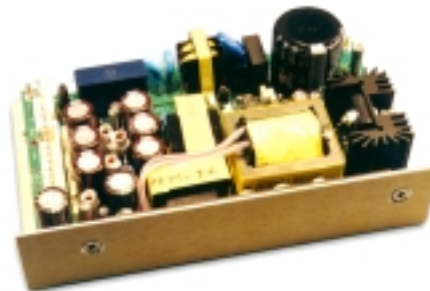


# 65W, UNIVERSAL INPUT POWER SUPPLY

## 4 OUTPUTS, 4" X 6" PCB SIZE

### SIM 98 SERIES

- Up to 4 outputs
- Made in North America
- Very high quality
- Competitive price
- Meets all approval requirements
- Input 95VAC-264VAC or 120-360VDC
- Conduction/convection cooled - no fan
- Fully protected
- Stock or short delivery



This four-output power supply delivers 65W output power from any AC input voltage from 95V to 264V as well as DC voltages from 120V to 360V. The outputs are galvanically isolated from each other, but can also be configured into a +/- double supply application. The auxiliary outputs are semi-regulated and regulation is better than +/-5% for 12V and higher outputs. The standard output configuration is +5V/5A, +12V/2A, -12V/2A and 24V/1A. The SIM 98 is manufactured in North America and is of very high quality yet competitively priced. It meets all approval requirements, is conduction cooled, fully protected and available with a short delivery time.

### SPECIFICATIONS

<p><b>Input Voltage</b> 95VAC to 264VAC; 47-63Hz 120VDC to 360VDC</p>	<p><b>Output Voltages</b> 5V/5A, 12V/2A, -12V/2A and 24V/1A, standard Consult factory for other voltages</p>	<p><b>Efficiency</b> Min 76% at full load</p>	<p><b>MTBF</b> 100,000 at 45°C</p>
<p><b>Input Protection</b> Thermal Fuse Inrush current limiting</p>	<p><b>Line/Load Regulation</b> +/-1% combined from no load to full load for the main output (5V) and +/-5% for the other outputs</p>	<p><b>Hold Up Time</b> Minimum 10ms at full load for 5% drop of output voltage at 120V and higher input</p>	<p><b>Dimensions</b> Open frame 'L' bracket: 4.125" x 6.5" x 1.6" (W x L x H)</p>
<p><b>Isolation/safety</b> 2250VDC input to chassis 4300VDC input to output, 8mm spacing 500VDC output to chassis  Full compliance to IEC950, CSA22.2-950 and UL1950.. Please consult factory for approval status for the requested input/output configuration</p>	<p><b>Output Ripple/Noise</b> Better than 1% of output voltage peak to peak or 0.2% RMS of the output voltage (20MHZ BW)</p>	<p><b>Operating Temperature</b> 0 to +50°C (depending on available conduction)</p>	<p><b>Connections:</b> Header pins with 0.156" spacing</p>
<p><b>EMI</b> Meets EN 55022 Class A</p>	<p><b>Output overload Protection</b> Current limiting with short circuit protection (hiccup mode)</p>	<p><b>Temperature Drift</b> 0.03% per °C over operating temperature range</p>	<p><b>Weight</b> 1.21lb</p>
	<p><b>Output Over-voltage Protection</b> Double regulator loop and Transzorb clamp</p>		<p><b>Warranty</b> Twelve months subject to application within good engineering practice</p>

Enhancements to these general specifications and customizing can be accommodated upon request.  
Designed to meet all approval requirements.

**Designer and manufacturer of quality converters, inverters, UPS systems, complete rack mount systems and DC-input fluorescent lamp inverters since 1982. Custom or standard.**  
**Absopulse is a BABT-approved Facility**

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