

# 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

**Input Voltage**  
95VAC to 264VAC; 47-63Hz  
120VDC to 360VDC

**Input Protection**  
Thermal Fuse  
Inrush current limiting

**Isolation/safety**  
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

**EMI**  
Meets EN 55022 Class A

**Output Voltages**  
5V/5A, 12V/2A, -12V/2A and  
24V/1A, standard  
Consult factory for other voltages

**Line/Load Regulation**  
+/-1% combined from no load to full  
load for the main output (5V) and  
+/-5% for the other outputs

**Output Ripple/Noise**  
Better than 1% of output voltage  
peak to peak or 0.2% RMS of the  
output voltage (20MHZ BW)

**Output overload Protection**  
Current limiting with short circuit  
protection (hiccup mode)

**Output Over-voltage Protection**  
Double regulator loop and  
Transzorb clamp

**Efficiency**  
Min 76% at full load

**Hold Up Time**  
Minimum 10ms at full load for 5%  
drop of output voltage at 120V and  
higher input

**Operating Temperature**  
0 to +50°C (depending on available  
conduction)

**Temperature Drift**  
0.03% per °C over operating  
temperature range

**MTBF**  
100,000 at 45°C

**Dimensions**  
Open frame 'L' bracket:  
4.125" x 6.5" x 1.6"  
(W x L x H)

**Connections:**  
Header pins with 0.156" spacing

**Weight**  
1.21lb

**Warranty**  
Twelve months subject to  
application within good engineering  
practice

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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