

# AULT SPECIFICATIONS

## SW201 and SW301 Universal Series

Final 3/31/97

### INPUT

<b>Voltage</b>	100-250 VAC - 10%, +6%
<b>Line Frequency</b>	47-63 Hz
<b>Current</b>	0.65A Max. at 90 VAC input
<b>Protection</b>	Internal primary current fuse Inrush limiting
<b>Configuration</b>	In Case IEC320 with Ground

### OUTPUT

<i>Model</i>	<i>Voltage</i>	<i>Min. Current</i>	<i>Max. Current</i>	<i>Max. Watts</i>	<i>Max. Power</i>
SW201KA0012F01	+5VDC	0A	4.0A	20.0W	22.5
	+12VDC	0A	1.0A	12.0W	
SW301KA0012F01	+5VDC	0A	4.0A	20.0W	22.5
	+12VDC	0A	1.0A	12.0W	
	-12VDC	0A	0.6A	7.2W	

**Combined Line and Load Voltage Regulation Excluding Cord Ripple**  
+5:  $\pm 1\%$  combined +5, +12 output of  $>0.6A$   
+12:  $\pm 5\%$  combined +5, +12 output of  $0.6A$   
-12:  $\pm 6\%$  combined +5, +12 output of  $>0.6A$

**Transient Response Holdup Time Protection**  
+5: 50 mV p-p Max., for combined +5, +12 output  $>0.6A$   
+12: 100 mV p-p Max., for combined +5, +12 output  $>0.6A$   
-12: 100 mV p-p Max., for combined +5, +12, output  $>0.6A$   
0.5 msec for 50% load change typical  
18 msec @ 120VAC; 100 msec @ 240VAC  
Foldback overcurrent protection on all outputs  
Short circuit protection on all outputs  
Optional overvoltage crowbar 6.8V Max. on +5  
Optional reverse polarity crowbar on -12

**Cord and Connectors**  
6 ft., 4 or 5 Conductor, 18 AWG, Ault #12 Connector  
Other Connectors are also available

### ELECTRICAL

**Topology** Switching - Variable Frequency Flyback  
**Dielectric Withstand** 3000 VAC, 4250 VDC primary-secondary  
1500 VAC, 2150 VDC primary-ground  
500 VDC secondary-ground  
**Spacing** 8mm primary-secondary  
**Leakage Current** Less than 0.75 mA at 265 VAC 50 Hz  
**Efficiency** Up to 72%  
**EMI** Complies with EMC Directives  
**CE** CE Compliant

### SAFETY APPROVALS

UL1950, CSA950, TUV/IEC950

### ENVIRONMENTAL

**Operating Temperature** 0° to 50° C with no derating  
**Storage Temperature** -30°C to +85° C  
**Relative Humidity** 5% to 95% non-condensing  
**Altitude** 0 - 10,000 feet  
**Cooling** Convectional non-vented case

### MECHANICAL

**Case and Dimensions** LP7 - Desktop  
5.08 L x 3.05 W x 1.59 H (in)  
129 L x 77 W X 40 H (mm)  
**Case Material** Black 94V0 Polycarbonate  
**Weight** 13 ounces, 370 grams (excluding cords)

### WARRANTY

3 Years

LEADWIRE HOOK-UP		
PIN #	COLOR	FUNCTION
1	BLACK	COMMON
2	GREEN	GROUND
3	BROWN	+5 VDC
4	WHITE	-12 VDC
5	RED	+12 VDC

