

AULT SPECIFICATIONS

SC200 and SC300 Universal Series

Final 3/31/97

INPUT

Voltage	100-250 VAC - 10%, +6%
Line Frequency	47-63 Hz
Current	0.7A Max. at 90 VAC input
Protection	Internal primary current fuse Inrush limiting
Configuration	In Case IEC320 with Ground

OUTPUT

<i>Models</i>	<i>Voltage</i>	<i>Min. Current</i>	<i>Max. Current</i>	<i>Max. Watts</i>	<i>Max Power</i>
SC200TA0012F01	+5 VDC	0A	4.0A	20.0W	25.0W
	+12VDC	0A	1.0A	12.0W	
SC300TA0012F01	+5VDC	0A	4.0A	20.0W	25.0W
	+12VDC	0A	1.0A	12.0W	
	-12VDC	0A	0.6A	7.2W	

Combined Line and Load Voltage Regulation Excluding Cord

+5: $\pm 1\%$ for combined +5, +12 output of $>0.5A$
+12: $\pm 5\%$ for combined +5, +12 output of $>0.5A$
-12: $\pm 6\%$ for combined +5, -12 output of $>0.5A$

Ripple

+5: 50 mV p-p Max for combined +5, +12 output of $>0.5A$
+12: 100mV p-p Max for combined +5, +12 output of $>0.5A$
-12: 100mV p-p Max for combined +5, +12 output of $>0.5A$

Transient Response Holdup Time Protection

0.5 msec for 50% load change typical
18 msec min @ 120 VAC; 100 msec @ 240 VAC
Foldback overcurrent protection on all outputs
Short circuit protection on all outputs

Cord and Connectors

Optional overvoltage crowbar 6.5 VDC Max on +5
6 ft., 4 or 5 Conductor, 18 AWG, Ault #12 Connector
Other Connectors are also available

ELECTRICAL

Topology Dielectric Withstand

Switching - Variable Frequency Flyback
3000 VAC, 4250 VDC primary-secondary
1500 VAC, 2150 VDC primary-ground
500 VDC secondary-ground

Spacing Leakage Current Efficiency

8mm primary-secondary
Less than 0.75 mA at 265 VAC 50 Hz
Up to 72%

EMI CE

Complies with EMC Directives
CE Compliant

SAFETY APPROVALS

UL1950, CSA950, TUV/IEC950

ENVIRONMENTAL

Operating Temperature Storage Temperature Relative Humidity Altitude Cooling

0° to 50° C with no derating
-30° to +85° C
5% to 95% non-condensing
0 - 10,000 feet
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 94V1 Polycarbonate
Weight
13 ounces, 370 grams (excluding cords)

WARRANTY

3 Years

