

SCS4x Series Specification									
Rev 8 9/1/99									
		Model							
		SCS40-3	SCS40-5	SCS40-12	SCS40-15	SCS40-24	SCS40-28	SCS40-48	
Specification		V1	V1	V1	V1	V1	V1	V1	
1	Nominal Output Voltage	V	3.3	5	12	15	24	28	48
2	Minimum Output Current	A	0	0	0	0	0	0	0
3	Maximum Output Current convection cooled	A	8	8	3.3	2.6	1.6	1.4	0.9
4	Maximum Output Current forced air cooled (300LFM)	A	11	11	4.5	3.6	2.3	2	1.2
5	Maximum Peak Current (1)	A	12	12	5	4	2.5	2.2	1.3
6	Maximum Output Power convection cooled	W	26.4	40	39.6	39	38.4	39.2	43.2
7	Maximum Output Power forced air cooled (30 CFM)	W	36.3	55	54	54	55.2	56	57.6
8	Input Voltage Range	V	85-265VAC, 47-63Hz						
9	Efficiency (2) (Typical)	%	70%						
10	Inrush current -Typical (3)	A	36						
11	Adjustment Range	V	-5 ~ +10%						
12	Maximum Ripple & Noise (4)	mV	1% peak to peak						
13	Maximum Load regulation	mV							
14	Maximum Line regulation	mV							
15	Total Regulation	%	+/-2	+/-2	+/-2	+/-2	+/-2	+/-2	+/-2
16	Temperature Co-efficient	%	Typically +/-0.02%						Rev 8
17	Transient response		To be determined						
18	Overcurrent Protection (5)		Short circuit protection						
19	Overvoltage Protection (6)		115-135%						
20	Hold up time - typical (7)	ms	20						
21	Operating Temperature (8)	C	0 ~ 50C						
22	Operating Humidity		5 ~ 95% non condensing						
23	Storage Temperature	C	-20 ~ 85C						
24	EMI		FCC Class B Conducted, EN55022 class B						
25	Output - Ground isolation		500VDC						
26	Vibration		10 - 55Hz Amplitude (sweep 1 min) Less than 2G X, Y, Z 1 hour ea						
27	Shock		<20G						
28	Safety		UL1950, CSA 22.2 #950, EN60950, CE mark						
29	Other		IEC801-2-6 level 3						
30	Size		127 x 76.2 x 25.4 (Max component height) component leads cropped 3mm max						
31	Terminals		Molex 09-50-80xx input & output						
32	Options		Remote sense (2 pin Molex) Add "R" to model number. Compensates for up to 0.25V per lead						
1	Notes:								
2	Peak current lasting <30 seconds with 10% max duty cycle. Average power not to exceed rated maximum.								
3	At 100VAC or 200VAC input and maximum output power								
4	At 230VAC input cold start at 25C								
5	Measured across 10uF electrolytic in parallel with 0.1uF ceramic on load cables 150mm from terminals of power supply								
6	Avoid prolonged operation in overload								
7	Cycle input to reset								
	40W load at 115VAC nominal line								

LAMBDA SC Series